

1. WAP to declare variable to assign employee details

varname	datatype
empID	int
empSalary	float
empMobile	long
bonus	double

Note:

- bonus should be 10% of empSalary
- mobile number should be 10 digits
- Don't read values at runtime from keyboard.
- Recommended IDE : Edit-Plus

Output:

```

C:\Windows\system32\cmd.exe
Emp ID:1001
Emp Salary:15000.0
Emp Mobile:9963744521
Bonus :1500.0
Press any key to continue . . .
  
```

2. WAP to calculate Electricity Bill from the following

Variable name	Datatype	Sample input
customerID	String	AP-C11/D101
customerFullName	String	Raj Kumar Jain
unitsConsumed	int	893
ratePerUnit	float	6.75
billAmount	double	To be calculated

Note:

- Read customerID,customerFullName,unitsConsumed,ratePerUnit from keyboard using Scanner class.
- Calculate billAmount using unitsConsumed and ratePerUnit.
- Recommended IDE: Edit-Plus

Output:

```

C:\Windows\system32\cmd.exe
Enter Customer ID:AP-E05/C123
Enter Customer Fullname:Ram Prasad Reddy
Enter Units Consumed:599
Enter Rate per Unit:9.35
Bill Amount: 5600.65 Rs
Press any key to continue . . .
  
```

3. An intermediate college wants to design a progress report applicatoin for their students.

*** Recommended IDE: NetBeans

Requirements are as follows:

1. Read marks of maths, physics & chemistry. (use Scanner class)
2. Calculate total & average.
3. Find the class only if all subjects cross 40 marks otherwise display the subject name and status as failed; and no class is assigned
4. Class is assigned based on the following:

Percentage	Class
Above 60%	First class
50 to 60%	Second class
40 to 50 %	Third class
Below 40%	Failed

Output:

```
C:\Windows\system32\cmd.exe
Enter Maths Marks:98
Enter Physics Marks:87
Enter Chemistry Marks:76
Total:261.0
Avg:87.0
First Class
Press any key to continue . . .
```

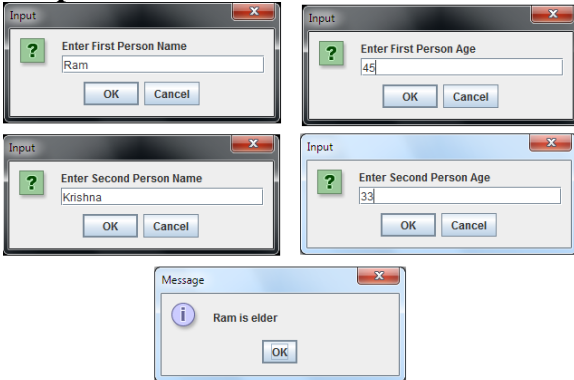
```
C:\Windows\system32\cmd.exe
Enter Maths Marks:99
Enter Physics Marks:25
Enter Chemistry Marks:99
Total:223.0
Avg:74.33333333333333
Failed in Physics
Press any key to continue . . .
```

```
C:\Windows\system32\cmd.exe
Enter Maths Marks:39
Enter Physics Marks:39
Enter Chemistry Marks:39
Total:117.0
Avg:39.0
Failed in Maths
Failed in Physics
Failed in Chemistry
Press any key to continue . . .
```

4. Write an application to read names and ages of 2 persons and find out who is the elder one. **(EditPlus)**

Note: Use GUI Input and GUI output.

Output:



5. Design an application to read name and gender and display output as follows.

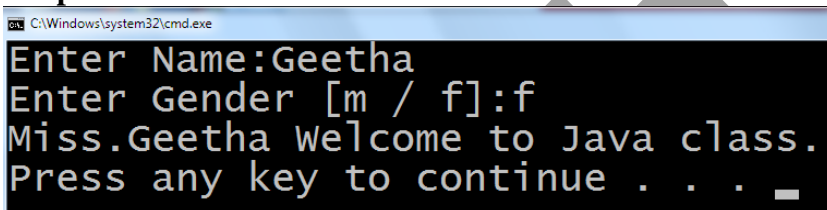
For m : Mr. __name__ Welcome to Java class

For f : Miss.__name__ Welcome to Java class

Note:

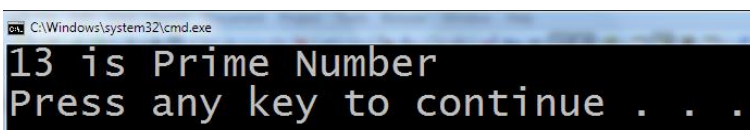
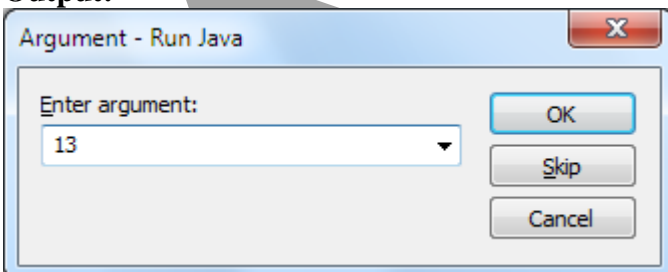
- use Scanner class for input, Use printf() for output. **(EditPlus)**
- for gender read single char only

Output:



6. Write a program to read a no using command line argument and check whether the entered no is prime or not. **(EditPlus)**

Output:



7. Design an application for a Departmental stores which read names,quantity and prices of 10 items and prints the list of item names, quantity and amount. Then display total bill amount at end.

Note:

- Recommended IDE: Edit-Plus
- Use string array for item names, int array for quantity and double array for price.(three arrays used)
- Declare variable for final amount, total quantity & Use enhanced for loop to calculate total quantity and calculate total bill amount during printing;
- Use ordinary for loop to display item name, quantity and price.
- Display number of items(total quantity) and total bill amount.

Output:

```

C:\Windows\system32\cmd.exe
Enter Item name:pen
Enter quantity:12
Enter Price:34.5
Enter Item name:paper
Enter quantity:34
Enter Price:56.7
Enter Item name:book
Enter quantity:56
Enter Price:78.9
Enter Item name:pencil
Enter quantity:54
Enter Price:32.4
Enter Item name:slate
Enter quantity:58
Enter Price:56.7
Enter Item name:notes
Enter quantity:67
Enter Price:78.9
Enter Item name:bag
Enter quantity:88
Enter Price:56.78
Enter Item name:key
Enter quantity:45
Enter Price:67.8
Enter Item name:chain
Enter quantity:34
Enter Price:56.78
Enter Item name:lock
Enter quantity:55
Enter Price:66.7
Item Name      Qty      Price      Amount
   pen         12      34.50      414.00
  paper        34      56.70     1927.80
   book        56      78.90     4418.40
 pencil        54      32.40     1749.60
  slate        58      56.70     3288.60
  notes        67      78.90     5286.30
   bag         88      56.78     4996.64
   key         45      67.80     3051.00
 chain         34      56.78     1930.52
  lock         55      66.70     3668.50
-----
TotalBill      503      30731.36
Press any key to continue . . .
  
```

8. Design an application which prints mobile no and 4 weeks talk time of 5 customers. (Editplus/NB).

Note:

- Declare only one double dimensional array and initialize.
- Don't read input at runtime.

Output:

Mobile no	W1	W2	W3	W3
9xxxxx123	10	20	12	23
9xxxxx523	11	23	62	53
9xxxxx624	14	22	42	23
9xxxxx524	20	21	14	63
9xxxxx623	30	25	12	13

```

C:\Windows\system32\cmd.exe
Mobile Number      W1      W2      W3      W4
9876543210        34      56      87      23
8967563910        84      92      19      45
9249583948        20      39      49      57
8294562849        29      30      84      59
8293948577        92      83      84      75
Press any key to continue . . .
  
```

9. Read no using command line argument and check whether it is even or odd using ternary operator. (NetBeans)

Output:

```

run:
123 Odd Number
BUILD SUCCESSFUL (total time: 4 seconds)
  
```

10. Write a program to develop a banking application using switch case. (EditPlus)

Output:

```

C:\Windows\system32\cmd.exe
Menu
-----
1. Account Opening
2. Cash Deposit
3. Cash Withdraw
4. Online Transfer
5. Exit
Enter your choice [1 2 3 4 5 ]:2
You selected Cash Deposit....
Press any key to continue . . .
  
```