



1. A company provides insurance to its employees according to the following criteria:
  - . If the employee is married
  - . If the employee is unmarried, male and above 35 years of Age
  - . if the employee is unmarried , female and above 30 years of ageIn all other cases insurance is not given .  
Write a program to accept the age, gender and marital status from the user  
  
using command line arguments and check whether the user is eligible for  
  
insurance or not.

2. Write a program which accepts the 3 arguments via command line of type operand , operator and operand and should display the result by performing appropriate circulation.

```
Java calculator : 3 + 4  
Sum is 7
```

```
Java calculator : 3 - 9  
Difference is -6
```

3. Write a java program to accept the integer via command line and check whether it is leap year or not.

```
Input : 1600  
Output: It is leap Year  
Input : 2100  
Output : It is not leap year
```

4. Write a java program to accept two integer from user via command line and check their product is even or odd if their product is even then print "Lucky NUmber" and the number product is odd then print "Not a lucky Number"

```
Input : 2 4  
Output : Lucky Number  
Input : 3 3
```



Output : Not a Lucky Number

5. Write a java program to find the area of a cylinder using Maths class first input as radius and second one as height means we have to take two inputs via command line arguments.

6. Write a Java program to accept the integer from the user via command line argument and check if the number is prime or not if that is prime then print "Prime Number" else "Not a Prime Number".

7. Write a java program to accept a character from command line arguments print their ascii value.

Input : a

Output : 97

8. Write a Java program to accept integer via command line argument if number is negative then print Negative and number is positive then print Positive.

Input : 67

Output : Positive

Input : -34

Output : Negative

9. Write a java program to accept a character via command line argument and check if the given character is alphabet or not if alphabet then print "character is alphabet " else print character is not alphabet.

Input : \*

Output : It is not alphabet

Input : A

Output : It is alphabet

10. Create a calculator using switch in java to take two inputs then perform the operation :

Choose an Operation : +, -, \*, /

Input : \*



Enter the first number : 3

Enter the second number : 6

3 \* 6 = 18