**Write a program to**

1. add two integer numbers

**program**

class Add{

public static void main(String args[]){

int a=30;

int b=30;

int c= a+b;

System.out.println("Sum of two numbers is " +c);

}

}

**Output**

C:\Users\user\Desktop\java>javac Add.java

C:\Users\user\Desktop\java>java Add

Sum of two numbers is 60

b) add one float number and one integer number

**program**

public class AddNumbers

{

public static void main(String args[])

{

int a =10;

float b= 2.5f;

float c;

c= a+b;

System.out.println("sum of 2 number"+c);

}

}

**Output**

C:\Users\user\Desktop\java>javac AddNumbers.java

C:\Users\user\Desktop\java>java AddNumbers

sum of 2 number12.5

c) print your name and age

**program**

public class Person{

public static void main(String args[])

{

System.out.println("Name: Neethu");

System.out.println("Age: 60");

}

}

**Output**

C:\Users\user\Desktop\java>javac Person.java

C:\Users\user\Desktop\java>java Person

Name: Neethu

Age: 60

d) calculate area of Triangle

**program**

public class Triangle

{

public static void main(String args[])

{

float b=100;

float h=100;

float a=(b\*h)/2;

System.out.println("area of triangle is " +a);

}

}

**Output**

C:\Users\user\Desktop\java>javac Triangle.java

C:\Users\user\Desktop\java>java Triangle

area of triangle is 5000.0

➢ Write a program to swap two numbers with temporary variable. Print the numbers before and after swap

**program**

public class Swap

{

public static void main(String args[])

{

int a = 20;

int b= 40;

System.out.println(" numbers before swap" +a+ " " +b);

//System.out.println(" numbers before swap" +b);

int temp;

temp=a;

a=b;

b=temp;

System.out.println(" numbers after swap" +a+ " " +b);

//System.out.println(" numbers after swap" +b);

}

}

**Output**

C:\Users\user\Desktop\java>javac Swap.java

C:\Users\user\Desktop\java>java Swap

numbers before swap20 40

numbers after swap40 20

➢ Write a program to swap two numbers without temporary variable. Print the numbers before and after swap.

**program**

class SwapWithoutTemp

{

public static void main(String args[])

{

int a=30;

int b=20;

System.out.println("Number before swapping" +a+ " "+b);

a =a+b; //50

b=a-b;// 50-20=30

a=a-b;//50-30=20

System.out.println("Number after swapping" +a+ " "+b);

}

}

**Output**

C:\Users\user\Desktop\java>javac SwapWithoutTemp.java

C:\Users\user\Desktop\java>java SwapWithoutTemp

Number before swapping30 20

Number after swapping20 30

***If statement and If Else statement***

➢ Write a program to check the given number is positive.

**program**

public class Number

{

public static void main(String args[])

{

int a=-10;

if (a<0)

{

System.out.println(" The number is negative" +a);

}

else

{

System.out.println(" numberis positive"+a);

}

}

}

**Output**

C:\Users\user\Desktop\java>javac Number.java

C:\Users\user\Desktop\java>java Number

***numberis positive10***

C:\Users\user\Desktop\java>javac Number.java

C:\Users\user\Desktop\java>java Number

***The number is negative-10***

➢ Write a program to check whether the candidate is eligible for driving license.

**program**

public class Candidate

{

public static void main(String args[])

{

int b= 10;

if (b<18)

{

System.out.println(" Candidate is not eligible for driving licence" +b);

}

else

{

System.out.println(" Candidate is eligible for driving licence"+b);

}

}

}

**Output**

C:\Users\user\Desktop\java>javac Candidate.java

C:\Users\user\Desktop\java>java Candidate

***Candidate is eligible for driving licence20***

C:\Users\user\Desktop\java>javac Candidate.java

C:\Users\user\Desktop\java>java Candidate

***Candidate is not eligible for driving licence10***