Java Assignment-1

1.WAP to display your name on the screen.

class Name

{

public static void main(String args[])

{

char ch;

System.out.println("Name is: Sai");

}

}

Output:-

**Name is: Sai**

2. WAP to display your friends name on the screen.(\n, \t)

class Friend\_Name

{

public static void main(String[] args)

{

char ch;

System.out.println("My Friend Name is:");

System.out.println("Surendra");

}

}

Output:-

**My Friend Name is:**

**Surendra**

3. WAP to print an Integer (Entered by the User)

import java.util.Scanner;

class Integer

{

public static void main(String args[])

{

Scanner S=new Scanner(System.in);

int num;

System.out.println("Enter the Number:");

num=S.nextInt();

System.out.println("User Number is:"+num);

}

}

Output:-

**Enter the Number:**

**5**

**User Number is:5**

4. WAP to declare variable of each data type and print their values.(int,char,float)

import java.util.Scanner;

class Main

{

public static void main(String args[])

{

int num;

float f;

char ch;

System.out.println("................Program Starts her..................");

System.out.println("Number is:");

Scanner s=new Scanner(System.in);

num=s.nextInt();

System.out.println("Integer type:"+num);

System.out.println("............................................");

System.out.println("Float is:");

Scanner ss=new Scanner(System.in);

f=ss.nextFloat();

System.out.println("Float type:"+f);

System.out.println("............................................");

System.out.println("Character is:");

Scanner Sc=new Scanner(System.in);

ch=Sc.next().charAt(0);

System.out.println("Character Type:"+ch);

System.out.println(".............Program Ends here...............");

}

}

Output:--

**................Program Starts her..................**

**Number is:**

**5**

**Integer type:5**

**............................................**

**Float is:**

**4.4**

**Float type:4.4**

**............................................**

**Character is:**

**s**

**Character Type:s**

**.............Program Ends here...............**

5. WAP to calculate the increment of a given number by 1

import java.util.Scanner;

class Increment

{

public static void main(String args[])

{

int num;

System.out.println("@ @ @ Program Starts @ @ @ :");

System.out.println("Enter a Number:");

Scanner S=new Scanner(System.in);

num=S.nextInt();

System.out.println("Entered Number is:"+num);

System.out.println("Increment by 1:"+(num+1));

System.out.println("@ @ @ Program Ends @ @ @ :");

}

}

Output:--

**@ @ @ Program Starts @ @ @ :**

**Enter a Number:**

**56**

**Entered Number is:56**

**Increment by 1:57**

6. WAP to calculate the increment of a given number by 7

import java.util.Scanner;

class Increment\_7

{

public static void main(String args[])

{

int num;

System.out.println("<<<<< Program Starts >>>>> :");

System.out.println("Enter a Number:");

Scanner S=new Scanner(System.in);

num=S.nextInt();

System.out.println("Entered Number is:"+num);

System.out.println("Increment by 7:"+(num+7));

System.out.println("<<<<<< Program Ends >>>>> :");

}

}

Output:---

**<<<<< Program Starts >>>>> :**

**Enter a Number:**

**9**

**Entered Number is:9**

**Increment by 7:16**

**<<<<<< Program Ends >>>>> :**

7. WAP to calculate the addition of 2 numbers.

import java.util.Scanner;

class Addition\_1

{

public static void main(String args[])

{

int num1,num2,Add;

Scanner A=new Scanner(System.in);

System.out.println("\*\*\*\*\*\* Program Starts \*\*\*\*\*\*");

System.out.println("First number is:");

num1=A.nextInt();

System.out.println(".................................");

System.out.println("Second number is:");

num2=A.nextInt();

Add=num1+num2;

System.out.println(".................................");

System.out.println("Addition of Two numbers is :"+Add);

System.out.println("\*\*\*\*\*\* Program Ends\*\*\*\*\*\*");

}

}

Output:--

**\*\*\*\*\*\* Program Starts \*\*\*\*\*\***

**First number is:**

**56**

**.................................**

**Second number is:**

**95**

**.................................**

**Addition of Two numbers is :151**

**\*\*\*\*\*\* Program Ends\*\*\*\*\*\***

8. WAP to calculate the multiplication of three numbers.

import java.util.Scanner;

class Multiply

{

public static void main(String args[])

{

int num1,num2,num3,mul;

Scanner A=new Scanner(System.in);

System.out.println("& & & Program Starts & & &");

System.out.println("First number is:");

num1=A.nextInt();

System.out.println(".................................");

System.out.println("Second number is:");

num2=A.nextInt();

System.out.println(".................................");

System.out.println("Third number is:");

num3=A.nextInt();

mul=num1\*num2\*num3;

System.out.println(".................................");

System.out.println("Multiplication of three numbers are :"+mul);

System.out.println("& & & Program Ends & & & ");

}

}

Output:---

**& & & Program Starts & & &**

**First number is:**

**5**

**.................................**

**Second number is:**

**4**

**.................................**

**Third number is:**

**5**

**.................................**

**Multiplication of three numbers are :100**

**& & & Program Ends & & &**

9. WAP to Compute Quotient and Remainder

class Quotient

{

public static void main(String args[])

{

int dividend,divisor,quotient,remainder;

dividend=99;

divisor=5;

quotient=dividend/divisor;

remainder=dividend%divisor;

System.out.println(". .. ... .... Program Starts .... ... .. .");

System.out.println("Quotient is:"+quotient);

System.out.println(".........................................................................");

System.out.println("Remainder is:"+remainder);

System.out.println(". .. ... .... Program Ends .... ... .. .");

}

}

Output:--

**. .. ... .... Program Starts .... ... .. .**

**Quotient is:19**

**.........................................................................**

**Remainder is:4**

**. .. ... .... Program Ends .... ... .. .**

10.WAP to Multiply two Floating Point Numbers

import java.util.Scanner;

class Decimal

{

public static void main(String args[])

{

float f1,f2,mul;

Scanner A=new Scanner(System.in);

System.out.println("& & & Program Starts & & &");

System.out.println("First number is:");

f1=A.nextFloat();

System.out.println(".................................");

System.out.println("Second number is:");

f2=A.nextFloat();

mul=f1\*f2;

System.out.println(".................................");

System.out.println("Multiplication of Two Floating Point numbers are :"+mul);

System.out.println("& & & Program Ends & & & ");

}

}

Output:--

& & & Program Starts & & &

First number is:

55.6

.................................

Second number is:

44.4

.................................

Multiplication of Two Floating Point numbers are :2468.6401

& & & Program Ends & & &

11.WAP to calculate the area of Square.

class Area\_of\_Square

{

public static void main(String args[])

{

int S=44,AS;

AS=S\*S;

System.out.println("............................................");

System.out.println("Area of Square is:"+AS);

System.out.println("............................................");

}

}

Output:---

**............................................**

**Area of Square is:1936**

**............................................**

12.WAP to calculate the perimeter and area of Rectangle

import java.util.Scanner;

class Area

{

public static void main(String args[])

{

int Length,Breadth,Perimeter,Area;

Scanner A=new Scanner(System.in);

System.out.println("..........................................");

System.out.println("Length of the Rectangle:");

Length=A.nextInt();

System.out.println("...........................................");

System.out.println("Breadth of the Rectangle:");

Breadth=A.nextInt();

System.out.println("..........................................");

Perimeter=2\*(Length+Breadth);

System.out.println("Perimeter of Rectangle is:"+Perimeter);

System.out.println("..........................................");

Area=Length\*Breadth;

System.out.println("Area of Rectangle is:"+Area);

}

}

Output:--

**..........................................**

**Length of the Rectangle:**

**5**

**...........................................**

**Breadth of the Rectangle:**

**6**

**..........................................**

**Perimeter of Rectangle is:22**

**..........................................**

**Area of Rectangle is:30**

13.WAP to calculate the area of Circle

import java.util.Scanner;

class Area\_of\_Circle

{

public static void main(String args[])

{

int r;

double pi=3.14,area;

Scanner A=new Scanner(System.in);

System.out.println("..........................................");

System.out.println("Radius of Circle:");

r=A.nextInt();

area=pi\*r\*r;

System.out.println("..........................................");

System.out.println("Area of Circle:"+area);

}

}

Output:----

**..........................................**

**Radius of Circle:**

**56**

**..........................................**

**Area of Circle:9847.04**

14.WAP to calculate the Simple Interest

class Interest

{

public static void main(String args[])

{

float p,t,r,si;

p=15000;

t=3;

r=12;

si=(p \* r \* t)/100;

System.out.println("Simple Interest is:"+si);

}

}

Output:---

**Simple Interest is:5400.0**

15.WAP to find the average of 5 numbers.

class Average

{

public static void main(String args[])

{

int num1=10,num2=20,num3=30,num4=40,num5=50,Add,Avg;

System.out.println("\*\*\*\*\*\* Program Starts \*\*\*\*\*\*:");

System.out.println("First number is:"+num1);

System.out.println(".................................");

System.out.println("Second number is:"+num2);

System.out.println(".................................");

System.out.println("Third number is:"+num3);

System.out.println(".................................");

System.out.println("Fourth number is:"+num4);

System.out.println(".................................");

System.out.println("Fifth number is:"+num5);

Add=num1+num2+num3+num4+num5;

Avg=Add/5;

System.out.println(".................................");

System.out.println("Sum of five numbers is :"+Add);

System.out.println(".................................");

System.out.println("Average of five numbers is :"+Avg);

System.out.println("\*\*\*\*\*\* Program Ends\*\*\*\*\*\*:");

}

}

Output:---

\*\*\*\*\*\* Program Starts \*\*\*\*\*\*

First number is:10

.................................

Second number is:20

.................................

Third number is:30

.................................

Fourth number is:40

.................................

Fifth number is:50

.................................

Sum of five numbers is :150

.................................

Average of five numbers is :30

\*\*\*\*\*\* Program Ends\*\*\*\*\*\*

16.WAP to find the size of data types in Java(Hint: use sizeof() operator)

class SizeofDatatype

{

public static void main (String args[])

{

System.out.println("Size of byte: " + (Byte.SIZE/8) + "bytes");

System.out.println(".....................................................................");

System.out.println("Size of short: " + (Short.SIZE/8) + " bytes");

System.out.println(".....................................................................");

System.out.println("Size of long: " + (Long.SIZE/8) + " bytes");

System.out.println(".....................................................................");

System.out.println("Size of char: " + (Character.SIZE/8) + " bytes");

System.out.println(".....................................................................");

System.out.println("Size of double: " + (Double.SIZE/8) + " bytes");

}

}

Output:----

**Size of byte: 1bytes**

**.....................................................................**

**Size of short: 2 bytes**

**.....................................................................**

**Size of long: 8 bytes**

**.....................................................................**

**Size of char: 2 bytes**

**.....................................................................**

**Size of double: 8 bytes**

17.WAP to display the following o/p : I LIKE Java PROGRAMMING

class Like

{

public static void main(String args[])

{

String s;

System.out.println(".........Program Starts..........");

System.out.println("...........................................");

System.out.println(".... .... I .... ....");

System.out.println("..... ...... LIKE ..... .....");

System.out.println("...... ...... JAVA ...... ......");

System.out.println(".........Program Ends..........");

}

}

Output:-

.........Program Starts..........

...........................................

.... .... I .... ....

..... ...... LIKE ..... .....

...... ...... JAVA ...... ......

.........Program Ends..........