1. **Write a Java program to print an int, a double and a char on screen**

package Assignments\_Level1;

import java.util.Scanner;

public class Print\_int\_double\_char {

**//Write a Java program to print an int, a double and a char on screen**

public static void main(String[] args) {

int num\_int;

double num\_double;

char num\_char;

Scanner scanner=new Scanner(System.*in*);

System.*out*.println("Enter an Integer Value: ");

num\_int= scanner.nextInt();

System.*out*.println("Enter a double value: ");

num\_double=scanner.nextDouble();

System.*out*.println("Enter a character: ");

num\_char=scanner.next().charAt(0);

System.*out*.println("Entered integer value is: "+num\_int);

System.*out*.println("Entered Double value is: "+num\_double);

System.*out*.println("Entered character value is: "+num\_char);

}

}

1. **//Write a program to print the area of a rectangle of sides 2 and 3 units respectively**

package Assignments\_Level1;

import org.w3c.dom.ls.LSOutput;

import java.util.Scanner;

public class Area\_Rectangle {

//Write a program to print the area of a rectangle of sides 2 and 3 units respectively

public static void main(String[] args) {

int side1=2,side2=3,area=0;

//area of rectangle is side1\*side2

area=side1\*side2;

System.*out*.println("Area of rectangle is: "+area+" Sq.Units");

}

**3.Write a program to print the product of the numbers8.2 and 6**

package Assignments\_Level1;

public class product {

//Write a program to print the product of the numbers8.2 and 6

public static void main(String[] args) {

double num1=8.2,num2=6,prod=0;

prod=num1\*num2;

System.*out*.println("Product of "+num1+" and "+num2+" is: "+String.*format*("%.2f", prod));

}

**4.Print the ASCII value of the character 'h'**

package Assignments\_Level1;

public class AsciiValue {

//Print the ASCII value of the character 'h'.

public static void main(String[] args) {

char c='h';

int n=c;

System.*out*.println("ASCII value of "+c+" is :"+n);

}

}

**5.Write a program to assign a value of 100.235 to a double variable and then convert it to int**

package Assignments\_Level1;

public class Convert\_int {

//Write a program to assign a value of 100.235 to a double variable and

// then convert it to int

public static void main(String[] args) {

double num=100.235;

int num\_int=0;

num\_int= (int) num;

System.*out*.println(num+" converted to int will give value: "+num\_int);

}

}

**}**

**6. Write a program to add 3 to the ASCII value of the character 'd' and print the equivalent character.**

package Assignments\_Level1;

public class AsciiValueAdd {

//Write a program to add 3 to the ASCII value of the character 'd' and

// print the equivalent character.

public static void main(String[] args) {

char c='d';

int ascii\_num=c;

System.*out*.println("ASCII value of 'd' is: "+ascii\_num);

ascii\_num=ascii\_num+3;

c= (char) ascii\_num;

System.*out*.println(c);

}

}

**7. Write a program to add an integer variable having value 5 and a double variable having value 6.2**

package Assignments\_Level1;

public class AddIntDouble {

//Write a program to add an integer variable having value 5 and

// a double variable having value 6.2

public static void main(String[] args) {

double double\_num=6.2;

int int\_num=5;

System.*out*.println("Sum of "+double\_num+" and "+int\_num+" is: "+(double\_num+int\_num));

}

}

**8. Write a program to find the square of the number 3.9**

package Assignments\_Level1;

public class square {

//Write a program to find the square of the number 3.9

public static void main(String[] args) {

double num=3.9,square\_num;

square\_num=num\*num;

System.*out*.println("The square of number "+num+" is : "+String.*format*("%.2f", square\_num));

}

}

**Operators:**

**1.Length and breadth of a rectangle are 5 and 7 respectively.Write a program to calculate the area and perimeter of the**

package Assignments\_Level1;

public class AreaPerimeterRectangle {

//Length and breadth of a rectangle are 5 and 7 respectively.

// Write a program to calculate the area and perimeter of the rectangle

//Area of rectangle=l\*b

//Perimeter=2(l+b)

public static void main(String[] args) {

int lenght=5,breadth=7,area=0,perimeter=0;

area=lenght\*breadth;

perimeter=2\*(lenght+breadth);

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

System.*out*.println("Perimeter of rectangle is: "+perimeter);

}

}

**2. Write a program to calculate the perimeter of a triangle having sides of length 2,3 and 5 units**

package Assignments\_Level1;

public class PerimeterTriangle {

//Write a program to calculate the perimeter of a

// triangle having sides of length 2,3 and 5 units

public static void main(String[] args) {

int side1=2,side2=3,side3=5,perimeter=0;

perimeter=side1+side2+side3;

System.*out*.println("Perimeter of triangle is: "+perimeter+" units");

}

}

**3.Write a program to convert Fahrenheit into Celsius**

package Assignments\_Level1;

import java.util.Scanner;

public class FaranheatToCelcius {

//Write a program to convert Fahrenheit into Celsius

public static void main(String[] Strings) {

Scanner input = new Scanner(System.*in*);

System.*out*.print("Input a degree in Fahrenheit: ");

double fahrenheit = input.nextDouble();

double celsius = ((5 \* (fahrenheit - 32.0)) / 9.0);

System.*out*.println(fahrenheit + " degree Fahrenheit is equal to " + String.*format*("%.2f",celsius) + " in Celsius");

}

}

**Input by user:**

1. **Write a program to take two integer inputs from user and print sum and product of them.**

package Assignments\_Level1;

import java.util.Scanner;

//Take two integer inputs from user. First calculatethe sum of two then product of two. Finally, printthe sumand product of both obtained results

public class SumOfTwoInt {

public static void main(String[] args) {

int num1=0,num2=0,sum=0,prod=0;

Scanner scanner=new Scanner(System.*in*);

System.*out*.println("Enter first integer number: ");

num1=scanner.nextInt();

System.*out*.println("Enter second integer number: ");

num2=scanner.nextInt();

sum=num1+num2;

prod=num1\*num2;

System.*out*.println("Sum of "+num1+" and "+num2+" is :"+sum);

System.*out*.println("Product of "+num1+" and "+num2+" is :"+prod);

}

}

2. **Take two integer inputs from user. First calculatethe sum of two then product of two. Finally, printthe sumand product of both obtained results**

package Assignments\_Level1;

import java.util.Scanner;

//Take two integer inputs from user. First calculatethe sum of two then product of two. Finally, printthe sumand product of both obtained results

public class SumOfTwoInt {

public static void main(String[] args) {

int num1=0,num2=0,sum=0,prod=0;

Scanner scanner=new Scanner(System.*in*);

System.*out*.println("Enter first integer number: ");

num1=scanner.nextInt();

System.*out*.println("Enter second integer number: ");

num2=scanner.nextInt();

sum=num1+num2;

prod=num1\*num2;

System.*out*.println("Sum of "+num1+" and "+num2+" is :"+sum);

System.*out*.println("Product of "+num1+" and "+num2+" is :"+prod);

}

}

**3. Ask user to give two double input for length and breadth of a rectangle and print area type casted to int**

package Assignments\_Level1;

public class AreaTypeCastint {

//Ask user to give two double input for length and breadth of a rectangle and print area type casted to int

public static void main(String[] args) {

double lenght=5,breadth=7;

int area= (int) (lenght\*breadth);

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

}

}

**Conditional Statement**

**1.Take values of length and breadth of a rectangle from user and check if it is square or not**

package Assignments\_Level1;

import java.util.Scanner;

public class ChecckSquare {

//Take values of length and breadth of a rectangle from user and check if it is square or not

public static void main(String[] args) {

int lenght,breadth;

Scanner scanner=new Scanner(System.*in*);

System.*out*.println("Enter the length of rectangle :");

lenght=scanner.nextInt();

System.*out*.println("Enter breadth of rectangle ;");

breadth=scanner.nextInt();

if(lenght==breadth)

System.*out*.println("It is a Square");

else

System.*out*.println("Not a Square");

}

1. **Take two int values from user and print greatest among**

**them**

package Assignments\_Level1;

import java.util.Scanner;

public class GratestOfTwoNum {

public static void main(String[] args) {

int num1,num2;

Scanner scanner=new Scanner(System.*in*);

System.*out*.println("Enter the first number :");

num1=scanner.nextInt();

System.*out*.println("Enter the second number ;");

num2=scanner.nextInt();

if(num1>num2)

System.*out*.println(num1+" is grater than "+num2);

else if(num1<num2)

System.*out*.println(num2+" is grater than "+num1);

else

System.*out*.println("Both numbers are equal");

}

}

1. **A shop will give discount of 10% if the cost of purchased quantity is more than 1000.Ask user for quantitySuppose,one unit will cost 100.Judge and print total cost for user.**

package Assignments\_Level1;

import java.util.Scanner;

public class DiscountQuantity1000 {

//A shop will give discount of 10% if the cost of purchased quantity is more than 1000.

// Ask user for quantitySuppose,

// one unit will cost 100.Judge and print total cost for user.

public static void main(String[] args) {

int quantity=0;

double amount=0,tot\_amount=0;

Scanner s=new Scanner(System.*in*);

System.*out*.println("Enter number of units purchased :");

quantity=s.nextInt();

System.*out*.println("Enter the cost/price of one unit: ");

amount=s.nextDouble();

tot\_amount=quantity\*amount;

if(tot\_amount>=1000) {

tot\_amount = tot\_amount + tot\_amount \* .1;

System.*out*.println("Total AMount to be paid: " + tot\_amount);

}

else

System.*out*.println("Total AMount to be paid: " + tot\_amount);

}

}

1. A company decided to give bonus of 5% to employeeif his/her year of service is more than 5 years.Ask user for their salary and year of service andprint the net bonus amount

package Assignments\_Level1;

import java.util.Scanner;

public class SalaryBonus5 {

//A company decided to give bonus of 5% to employeeif his/her year of service is more than 5 years.

// Ask user for their salary and year of service andprint the net bonus amount

public static void main(String[] args) {

Scanner scanner=new Scanner(System.*in*);

double salary,years\_service;

System.*out*.println("Enter the salary of Employee: ");

salary=scanner.nextDouble();

System.*out*.println("Enter number of years of service: ");

years\_service=scanner.nextDouble();

if(years\_service>=5) {

salary = salary + salary \* .05;

System.*out*.println("Salary of Employee is: "+salary);

}

else

System.*out*.println("Sal;ary of Employee is: "+salary);

}

}

1. **A school has following rules for grading system**

**a. Below 25 - Fb. 25 to 45 - Ec. 45 to 50 - Dd.**

**50 to 60 - Ce. 60 to 80 - Bf. Above 80 - A**

**Ask user to enter marks and print the corresponding grade**

package Assignments\_Level1;

import java.util.Scanner;

public class SchoolGrade {

//A school has following rules for grading system

//a. Below 25 - Fb. 25 to 45 - Ec. 45 to 50 - Dd.

// 50 to 60 - Ce. 60 to 80 - Bf. Above 80 - A

//Ask user to enter marks and print the corresponding grade

public static void main(String[] args) {

int marks=0;

Scanner scanner=new Scanner(System.*in*);

System.*out*.println("Enter marks of students: ");

marks=scanner.nextInt();

if(marks>80)

System.*out*.println("Grade of student is: A");

else if(marks>60)

System.*out*.println("Grade of student is: B");

else if(marks>50)

System.*out*.println("Grade of student is: C");

else if(marks>45)

System.*out*.println("Grade of student is: D");

else if (marks>=25)

System.*out*.println("Grade of student is: E");

else

System.*out*.println("Grade of student is: F");

}

}

1. **Take input of age of 3 people by user and determine oldest and youngest among them**

package Assignments\_Level1;

import java.util.Scanner;

public class AgeOldYoung {

//Take input of age of 3 people by user and determine oldest and youngest among them

public static void main(String[] args) {

Scanner scanner=new Scanner(System.*in*);

int age1,age2,age3;

System.*out*.println("Enter the age of 3 people");

age1=scanner.nextInt();

age2=scanner.nextInt();

age3=scanner.nextInt();

if(age1>age2 && age1>age3)

System.*out*.println("Age of 1st person is more: "+age1);

else if(age2>age1 && age2>age3)

System.*out*.println("Age of second person is more "+age2);

else if(age3>age1 && age3>age2)

System.*out*.println("Age of third person is more "+age3);

else

System.*out*.println("Age is same for all");

if(age1<age2 && age1<age3)

System.*out*.println("First person is youngest among the there with age: "+age1);

else if(age2<age1 && age2<age3)

System.*out*.println("Second person is youngest among the there with age: "+age2);

else if(age3<age1 && age3<age2)

System.*out*.println("Third person is youngest among the there with age: "+age3);

else

System.*out*.println("Age is same for all");

}

}

1. **Write a program to print absolute vlaue of a numberentered by user.**

package Assignments\_Level1;

import java.util.Scanner;

public class AbsoluteValueNum {

//Write a program to print absolute vlaue of a numberentered by user.

// E.g.-INPUT: 1 OUTPUT:

// 1INPUT: -1 OUTPUT: 1

public static void main(String angt[]){

Scanner scanner = new Scanner(System.*in*);

int num;

System.*out*.println("Enter a number :");

num=scanner.nextInt();

// Finding absolute value

num=Math.*abs*(num);

System.*out*.println("Absolute value:"+num);

}

}