Introduction java

TASK 4

**1**

**package** javatask4;

**public** **class** javatask1 {

**public** **static** **void** main(String[]args) {

**int** a = 40;

**int** b = 30;

**int** c = 30;

**int** d = 5;

**int** ab = a+b;

**int** cd = c+d;

**if** (ab>cd) {

System.***out***.println(**true**);

System.***out***.println("The sum of a+b = " + ab + " is greater than sum of c + d = " + cd );

}

}

}

**RESULT :**

**true**

**The sum of a+b = 70 is greater than sum of c + d = 35.**

**2.**

**package javatask4;**

**public class javatask2 {**

**public static void main(String[] args) {**

**int number= 30 ;**

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

**if (number % 2 == 0)**

**System.*out*.println(number +" is even");**

**}**

**}**

**RESULT:**

**Enter the number : 30 is even.**

**3.**

**package javatask4;**

**public class javatask3 {**

**public static void main(String[] args) {**

**char ch;**

**for (ch= 'A'; ch <= 'Z'; ++ch)**

**System.*out*.print(ch + " ");**

**}**

**}**

**RESULT :**

**A B C D E F G H I J K L M N O P Q R S T U V W X Y Z.**

**4.**

**package javatask4;**

**public class javatask10 {**

**public static void main(String[] args) {**

**int x = 100;**

**int y = 200;**

**System.*out*.println("Befoer Swap ");**

**System.*out*.println("x = " + x);**

**System.*out*.println("y = " + y);**

**int temp = x ;**

**x = y;**

**y = temp;**

**System.*out*.println("After Swap ");**

**System.*out*.println("x = " + x);**

**System.*out*.println("y = " + y);**

**}**

**}**

**RESULT :**

**Before Swap**

**x = 100**

**y = 200**

**After Swap**

**x = 200**

**y = 100.**

**5.**

**package javatask4;**

**public class javatask4 {**

**public static void main(String[] args) {**

**int n =7;**

**int c=0;**

**for (int i=2; i<n; i++) {**

**if (n%i == 0)**

**c++;**

**}**

**if (c==0)**

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

**else**

**System.*out*.println("not prime");**

**}**

**}**

**RESULT:**

**Is a prime number.**

**6.**

**package javatask4;**

**public class javatask5 {**

**public static void main(String args[]){**

**int i,fact=1;**

**int number=5;**

**for(i=1;i<=number;i++){**

**fact=fact\*i;**

**}**

**System.*out*.println("Factorial of "+number+" is: "+fact);**

**}**

**}**

**RESULT:**

**Factorial of 5 is: 120.**

**7.**

**package javatask4;**

**public class javatask6 {**

**public static void main(String[] args) {**

**String msg = "Guvi Geek" ;**

**System.*out*.println(msg.length());}**

**}**

**RESULT:**

**9.**

**8.**

**package javatask4;**

**public class javatask7 {**

**public static void main(String[] args) {**

**for (int i=0; i<=10; i++ ) {**

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

**}**

**}**

**}**

**RESULT:**

**guvi**

**guvi**

**guvi**

**guvi**

**guvi**

**guvi**

**guvi**

**guvi**

**guvi**

**guvi.**

**9.**

**package javatask4;**

**import java.util.Scanner;**

**public class javatask8 {**

**public static void main(String[] args) {**

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

**System.*out*.print("Please enter your age: ");**

**int age = scanner.nextInt();**

**if (age >= 60) {**

**System.*out*.println("You are a senior citizen.");**

**} else {**

**System.*out*.println("You are not a senior citizen.");**

**}**

**scanner.close();**

**}**

**}**

**RESULT:**

**Please enter your age: 65**

**You are a senior citizen.**

**10.**

**package javatask4;**

**public class javatask9 {**

**public static void main(String[] args) {**

**int count = 0, num = 56789;**

**for (; num != 0; num /= 10, ++count) {**

**}**

**System.*out*.println("Number of digits: " + count);**

**}**

**}**

**RESULT:**

**Number of digits: 5.**