**JAVA PROGRAMMING**

**TASK:5**

**1.**

**package** javatask5;

**public** **class** javaTask1 {

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

String str = "radar";

**boolean** ispalindrome = **true**;

**for** (**int** i=0; i < str.length () / 2; i++) {

**if** (str.charAt(i) != str.charAt(str.length() -i -1)) {

ispalindrome = **false**;

**break**;

}

}

**if** (ispalindrome) {

System.***out***.println(str = " is a palindrome.");

}

**else** {

System.***out***.println(str = " is not a palindrome.");

}

}

}

**RESULT:**

**is a palindrome.**

**2.**

**package javatask5;**

**public class javaTask2 {**

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

**String string = "successfull";**

**String reversedStr = "";**

**for(int i = string.length()-1; i >= 0; i--){**

**reversedStr = reversedStr + string.charAt(i);**

**}**

**System.*out*.println("Reverse of given string: " + reversedStr);**

**}**

**}**

**RESULT:**

**Reverse of given string: llufsseccus**

**3.**

**package javatask5;**

**import java.util.Scanner;**

**public class javatask4 {**

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

**// TODO Auto-generated method stub**

**int counter =1;**

**int column = 1;**

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

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

**for (int i=1; i<=n; i++){**

**for (int j=1; j<=column; j++) {**

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

**counter++;**

**}**

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

**column++;**

**}**

**scanner.close();**

**}**

**}**

**RESULT:**

**4**

**1**

**2 3**

**4 5 6**

**7 8 9 10**

**4.**

**package javatask5;**

**import java.util.Scanner;**

**public class javatask5 {**

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

**// TODO Auto-generated method stub**

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

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

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

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

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

**for (int i = 0; i < 1; i++) {**

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

**}**

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

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

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

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

**scanner.close();**

**}**

**}**

**RESULT:**

**5**

**\* \***

**\* \***

**\***

**\* \***

**\* \***

**5.**

**package javatask5;**

**import java.util.Scanner;**

**public class javatask6 {**

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

**// TODO Auto-generated method stub**

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

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

**if (marks > 100) {**

**System.*out*.println("Invalid Input");**

**} else if (marks >= 90) {**

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

**} else if (marks >= 80) {**

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

**} else if (marks >= 70) {**

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

**} else if (marks >= 60) {**

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

**} else if (marks >= 50) {**

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

**} else {**

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

**}**

**scanner.close();**

**}**

**}**

**RESULT:**

**78**

**C**

**6.**

**package javatask5;**

**import java.util.Scanner;**

**public class javatask7 {**

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

**// TODO Auto-generated method stub**

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

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

**float roomRent = scanner.nextFloat();**

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

**float totalTariff;**

**switch (month) {**

**case 4:**

**case 5:**

**case 6:**

**case 11:**

**case 12:**

**totalTariff = roomRent \* daysStayed \* 1.20f;**

**break;**

**default:**

**totalTariff = roomRent \* daysStayed;**

**break;**

**}**

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

**scanner.close();**

**}**

**}**

**RESULT:**

**3**

**1500**

**2**

**3000.0**

**7.**

**package javatask5;**

**public class javatask3 {**

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

**// TODO Auto-generated method stub**

**double n1 = 3.5, n2 = 3.9, n3 = 2.5;**

**if( n1 >= n2 && n1 >= n3)**

**System.*out*.println(n1 + " is the largest number.");**

**else if (n2 >= n1 && n2 >= n3)**

**System.*out*.println(n2 + " is the largest number.");**

**else**

**System.*out*.println(n3 + " is the largest number.");**

**}**

**}**

**RESULT:**

**3.9 is the largest number.**