|  |
| --- |
| JAVA WEEK-1 |

**NAME : SAPTORSHE DAS**

**STREAM : B.TECH CSE**

**YEAR : 3RD YEAR – 2017-2021**

**SECTION : CSE 3C**

**ROLL : 72**

**Submission Date : 19/07/2019**

**1 : Write a java Program to Print Your Name .**

**Code :**

**package** week1;

**import** java.util.Scanner;

**public** **class** Name

{

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

{

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

String name;

System.***out***.print("Enter the Name:");

name = input.nextLine();

System.***out***.print(name);

}

}

**Output** :

Enter the Name:Saptorshe Das

Saptorshe Das

**2 : Write a java Program to add two numbers.**

**Code:**

**package** week1;

**import** java.util.Scanner;

**public** **class** Add

{

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

{

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

**int** no1,no2,result;

System.***out***.print("Enter the 1st no:");

no1 = input.nextInt();

System.***out***.print("Enter the 2nd no:");

no2 = input.nextInt();

result = no1+no2;

System.***out***.printf(“%d + %d = %d”,no1,no2,result);

}

}

**Output :**

Enter the 1st no:20

Enter the 2nd no:30

20+30=50

**3 : Write a java program to change temperature from Celsius to Fahrenheit.**

**Code :**

**package** week1;

**import** java.util.Scanner;

**public** **class** Celsius\_Fahrenheit

{

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

{

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

**double** celsius,fn;

System.***out***.print("Enter the celsius value :");

celsius = input.nextFloat();

fn = (celsius \* 9/5) +32;

System.***out***.printf("Celsius Value = %f \n Fahrenheit Value = %f",celsius,fn);

}

}

**Output:**

Enter the celsius value :20

Celsius value : 20.0

Fahrenheit value : 68.0

4 : Write a java program to calculate area and perimeter of a circle.

**Code:**

**package** week1;

**import** java.util.Scanner;

**public** **class** Circle

{

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

{

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

**int** radius;

System.***out***.print("Enter the readius of the circle : ");

radius = input.nextInt();

**double** perimeter,area;

perimeter = 2\*Math.***PI***\*radius;

area = Math.***PI***\*radius\*radius;

System.***out***.print("Radius of the circle : "+radius);

System.***out***.print("\nPerimeter of the circle : "+perimeter);

System.***out***.print("\nArea of the circle : "+area); }

}

**Output:**

Enter the readius of the circle : 5

Radius of the circle : 5

Perimeter of the circle : 31.41592653589793

Area of the circle : 78.53981633974483

**5 : Write a java program to check whether a given no is even or odd.**

**Code:**

**package** week1;

**import** java.util.Scanner;

**public** **class** Even\_Odd

{

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

{

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

**int** no;

System.***out***.print("Enter the no to check whether it is Even or Odd : " );

no = input.nextInt();

**if**(no%2==0)

{

System.***out***.printf("%d is an Even number",no);

}

**else**

{

System.***out***.printf("%d is an Odd number",no);

}

}

}

**Output:**

Enter the no to check whether it is Even or Odd : 70

70 is an Even number

**6 : Write a program to check whether a given no is positive or negative .**

**Code:**

**package** week1;

**import** java.util.Scanner;

**public** **class** Positive\_Negative

{

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

{

**int** no;

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

System.***out***.print("Enter the no to check : ");

no = input.nextInt();

**if**(no<0)

{

System.***out***.printf("%d is Negative no",no);

}

**else**

{

System.***out***.printf("%d is Positive no",no);

}

}

}

**Output :**

Enter the no to check : -7

-7 is Negative no

**7 : Write a program to check Largest no among 3 numbers .**

**Code:**

**package** week1;

**import** java.util.Scanner;

**public** **class** Max\_Among\_3\_No

{

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

{

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

**int** no1,no2,no3;

System.***out***.print("Enter the numbers : ");

no1 = input.nextInt();

no2 = input.nextInt();

no3 = input.nextInt();

**if**(no1>no2 && no1>no3)

{

System.***out***.printf("%d is largest",no1);

}

**else** **if**(no2>no1 && no2>no3)

{

System.***out***.printf("%d is largest",no2);

}

**else**

{

System.***out***.printf("%d is largest",no3);

}

}

}

**Output :**

Enter the numbers : 77

99

21

99 is largest

**8 : Write a program to swap two numbers.**

**Code:**

**package** week1;

**import** java.util.Scanner;

**public** **class** Swap\_No

{

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

{

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

**int** no1,no2,temp;

System.***out***.print("Enter two numbers : ");

no1 = input.nextInt();

no2 = input.nextInt();

System.***out***.printf("Before Swapping \nno1=%d no2=%d",no1,no2);

temp = no1;

no1 = no2;

no2 = temp;

System.***out***.printf("\nAfter Swapping \nno1=%d no2=%d",no1,no2);

}

}

**Output:**

Enter two numbers : 56

78

Before Swapping

no1=56 no2=78

After Swapping

no1=78 no2=56

**9: Write a Program to check whether a given no is divisible by 5 or not.**

**Code: package** week1;

**import** java.util.Scanner;

**public** **class** Five\_Divisible

{

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

{

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

**int** no;

System.***out***.print("Enter the no:");

no = input.nextInt();

**if**(no%5==0)

{

System.***out***.printf("%d is divisible by 5",no);

}

**else**

{

System.***out***.printf("%d is not divisble by 5",no);

}

}

}

**Output :**

Enter the no:50

50 is divisible by 5

**10 : Write a Program for following grade system.**

**Percentage >=90% 🡪A, >=80% ->B, >=70% ->C >=60% ->D, >=40% ->E, <40% ->Fail.**

**Code:**

**package** week1;

**import** java.util.Scanner;

**public** **class** Grade\_System

{

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

{

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

**int** sub1,sub2,sub3,sub4,sub5;

System.***out***.print("Enter marks of five different subjects:");

sub1 = input.nextInt();

sub2 = input.nextInt();

sub3 = input.nextInt();

sub4 = input.nextInt();

sub5 = input.nextInt();

**double** per = (sub1+sub2+sub3+sub4+sub5)/5;

**if**(per<40)

{

System.***out***.printf("Average = %f \n",per);

System.***out***.println("GRADE : FAIL");

}

**else** **if**(per>=40 && per<60)

{ System.***out***.printf("Average = %f \n",per);

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

}

**else** **if**(per>=60 && per<70)

{ System.***out***.printf("Average = %f \n",per);

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

}

**else** **if**(per>=70 && per<80)

{ System.***out***.printf("Average = %f \n",per);

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

}

**else** **if**(per>=80 && per<90)

{ System.***out***.printf("Average = %f \n",per);

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

}

**else** **if**(per>=90 && per<100)

{ System.***out***.printf("Average = %f \n",per);

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

}

}

}

**Output :**

Enter marks of five different subjects:89

90

78

45

67

Average = 73.000000

GRADE : C

**11 : Write a Program to convert Fahrenheit to Celsius.**

**Code:**

**package** week1;

**import** java.util.Scanner;

**public** **class** Fahrenheit\_Celsius

{

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

{

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

**double** fer,cel;

System.***out***.print("Enter Fahrenheit value : ");

fer = input.nextFloat();

cel = (fer-32)\*5/9;

System.***out***.printf("Fahrenheit value : %f\nCelsius Value : %f",fer,cel);

}

}

**Output :**

Enter Fahrenheit value : 68

Fahrenheit value : 68.000000

Celsius Value : 20.000000

**12 : Write a program to calculate area and perimeter of a Rectangle.**

**Code :**

**package** week1;

**import** java.util.Scanner;

**public** **class** Rectangle

{

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

{

**double** hght,wdth;

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

System.***out***.print("Enter the height & Width : ");

hght = input.nextFloat();

wdth = input.nextFloat();

**double** peri,area;

peri = 2 \* (hght+wdth);

area = hght \* wdth;

System.***out***.printf("Height = %f , Width = %f\nPerimeter = %f, Area = %f",hght,wdth,peri,area);

}

}

**Output:**

Enter the height & Width : 5

6

Height = 5.000000 , Width = 6.000000

Perimeter = 22.000000, Area = 30.000000

**13 : Write a Program to convert miles into kilometers.**

**Code :**

**package** week1;

**import** java.util.Scanner;

**public** **class** Miles\_To\_Kilometers

{

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

{

**double** mile,km;

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

System.***out***.print("Enter the Mile value : ");

mile = input.nextFloat();

km = mile \* 1.609344;

System.***out***.printf("Mile = %f\nKilometer = %f",mile,km);

}

}

**Output :**

Enter the Mile value : 5.6

Mile = 5.600000

Kilometer = 9.012326

**14 : Write a program to check whether a year is Leap year or not.**

**Code:**