KodNest PunithSir Assignments 08-07-2023:

1.HalveIt program:

Code:

```
import java.util.*;

public class HalveIt {

public static double halveTNum(double num) {

return num/2;

}

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

HalveIt ob=new HalveIt();

double val=sc.nextDouble();

System.out.printf("%.2f",ob.halveTNum(val));

}

}

/*

150.00

75.00

*/
```

2.Time Converter program:

Code:

```
import java.util.*;

public class TimeConverter {

public static double conToHrs(int min) {

return min/60.0;

}

public static void main(String args[]) {

Scanner sc=new Scanner(System.in);

TimeConverter obj=new TimeConverter();

int hrs=sc.nextInt();

System.out.println(obj.conToHrs(hrs));

}

}

/*

90

1.5

*/
```

3.Finance Calculator Program:

Code:

```
import java.util.*;

public class FinanceCalculator {

public double calSimInt(double principal, double rate, double time) {

return (principal*rate*time);

}

public static void main(String args[]) {

Scanner sc=new Scanner(System.in);

FinanceCalculator fs=new FinanceCalculator();

double p=sc.nextDouble();

double r=sc.nextDouble();

double t=sc.nextDouble();

System.out.println(fs.calSimInt(p, r, t));

}

}

/*

1000.0

0.05

2.0

100.0

*/
```

4.Galatic Arthemetic program:

Code:

```
import java.util.*;
class Ga{
public long galacticAddition(long num1, long num2) {
return num1+num2;
}
}
public class GalaticArthimetic {
public static void main(String args[]) {
Scanner s=new Scanner(System.in);
Ga aa=new Ga();
long a=s.nextLong();
long b=s.nextLong();
System.out.println(aa.galacticAddition(a,b)+"L");
}
}
/*
125678
9876543210
9876668888L
*/
```

5.Height Converter program:

Code:

```
import java.util.*;

public class HeightConverter {

public double convertInchesTofeet(double inches) {

return inches/12.0;

}

public static void main(String args[]) {

Scanner sc= new Scanner(System.in);

HeightConverter obj=new HeightConverter();

double inch=sc.nextDouble();

System.out.println(obj.convertInchesTofeet(inch));

}

}

/*

72.0

6.0

*/
```

6.Journey Calculator program:

Code:

```
import java.util.*;

public class JourneyCalculator {

public double calculateDistance(double speed , double time) {

return speed*time;

}

public static void main(String args[])

{

Scanner s=new Scanner(System.in);

double a=s.nextDouble();

double b=s.nextDouble();

JourneyCalculator jc=new JourneyCalculator();

System.out.println(jc.calculateDistance(a, b));

}

}

/*

60.0

1.5

90.0

*/
```

7.Plant Explorer Program:

Code:

```
import java.util.*;

public class PlantExplorer {

public double calcuateSA(double radius) {

return (4*3.14)*((radius)*radius);

}

public static void main(String args[]) {

Scanner s=new Scanner(System.in);

double d=s.nextDouble();

PlantExplorer pe=new PlantExplorer();

System.out.println(pe.calcuateSA(d));

}

}

/*

3.0

113.04

*/
```

8.Security Message Decoder program:

Code:

```
import java.util.*;

public class SecMessDecoder {

public int decoderCharacter(char ch) {

return (int)ch;

}

public static void main(String args[]) {

Scanner s=new Scanner(System.in);

SecMessDecoder obj=new SecMessDecoder();

char c=s.next().charAt(0);

System.out.println(obj.decoderCharacter(c));

}

}

/*

A

65

*/
```

9.Sem Marks Average program:

Code:

```
import java.util.*;

public class SemMarksAvg {

public static double calculateAverage(int sem1, int sem2, int sem3,
int sem4, int sem5, int sem6, int sem7, int sem8) {

return (sem1+sem2+sem3+sem4+sem5+sem6+sem7+sem8)/8.0;

}

public static void main(String args[]) {

Scanner s=new Scanner(System.in);

SemMarksAvg avg=new SemMarksAvg();

int a=s.nextInt();

int b=s.nextInt();

int c=s.nextInt();

int d=s.nextInt();

int e=s.nextInt();

int f=s.nextInt();

int g=s.nextInt();

int h=s.nextInt();

System.out.printf("%.2f",avg.calculateAverage(a, b, c,d,e,f,g,h));

}}

/* 85 79 91 76 88 95 80 85

84.88 */
```

10. Temperature converter program:

Code:

```
import java.util.*;

public class TemperatureConverter {

public double convertFahrenheitToCelsus(double fahrenheit) {

return (fahrenheit-32)*5/9;

}

public static void main(String args[]) {

TemperatureConverter t=new TemperatureConverter();

Scanner s=new Scanner(System.in);

double val=s.nextDouble();

System.out.printf("%.2f",t.convertFahrenheitToCelsus(val));

}

}

/*

68.0

20.00

*/
```