Randrita Sarkar (11500219058)

Week_1

1. Write a Java program to convert temperature from Fahrenheit to Celsius degree
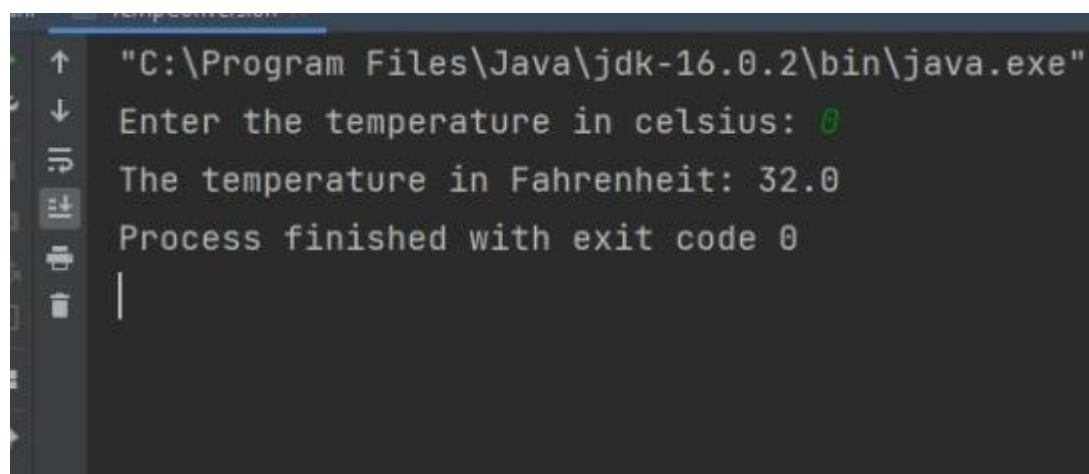
Code:

```java
package com.randrita.week1;
import java.util.Scanner;
//1. Write a Java program to convert temperature from
Fahrenheit to Celsius degree

public class TempConversion {
    public static void main(String[] args) {
        System.out.print("Enter the temperature in
celsius: ");
        Scanner input=new Scanner(System.in);
        float f = input.nextInt();
        double temp =(f*1.8)+32;
        System.out.print("The temperature in
Fahrenheit: " + temp);


    }
}
```

Output:

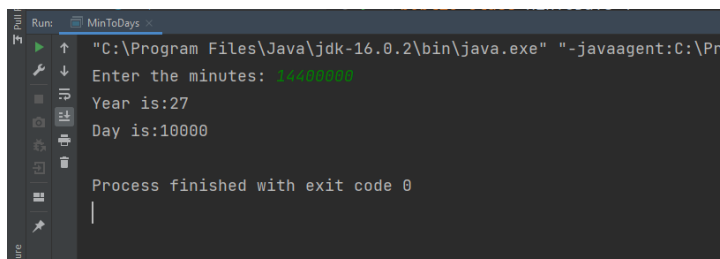2.Write a Java program to convert minutes into a number of years and days.

Code:

```java
package com.randrita.week1;
import java.util.Scanner;

//2.Write a Java program to convert minutes into a
number of years and days.

public class MinToDays {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        System.out.print("Enter the minutes:");
        int min = input.nextInt();
        int year =  min / 525600;
        int day = min / 1440;

        System.out.println("Year is:" + year);
        System.out.println("Day is:" + day);
    }
}
```

Output

3. Write a member function for batsman class, which will take one integer as parameter. Add this integer with total run, increment no of innings and calculate other variables accordingly. Write a member function for bowler class, which will take two integers as parameter. Add one integer with runs given and another with wickets, increment no of innings and calculate other variables accordingly.

Code:

```java
package com.randrita.week1;
import java.util.Scanner;

//3.Write a member function for batsman class, which
will take one integer as parameter. Add this integer
with total run, increment no of innings and calculate
other variables accordingly. Write a member function
for bowler class, which will take two integers as
parameter. Add one integer with runs given and another
with wickets, increment no of innings and calculate
other variables accordingly.

public class BatBowl {
    public static void main(String[] args) {
    Scanner input= new Scanner(System.in);
    System.out.print("Enter the total number of
innings: ");
    int f= input.nextInt();
    Bowlers result = new Bowlers();

    result.Batman(f);
    result.Bowlers(f);
    }

    //Batsman's End
    static class Batsman{
        public void Batman(int n){
            System.out.println("***Batsman's End***");
            int total_run=0;
            Scanner input= new Scanner(System.in);
            for (int i=1;i<=n;i++){
                System.out.print("Enter the total run
of innings "+i + ": ");
                int x= input.nextInt(); //taking run as
input
                total_run=total_run+x;
```

```java
            }
            System.out.println("Total run in " + n +"
innings is " + total_run);
        }


    }

    //Bowler's End
    static class Bowlers extends Batsman {

        public void Bowlers(int n){
            System.out.println("***Bowler's End***");
            int total_wicket=0;
            Scanner input= new Scanner(System.in);
            for (int i=1;i<=n;i++){
                System.out.print("Enter the total
wickets of innings "+i + ": ");
                int x= input.nextInt(); //taking wicket
as input
                total_wicket=total_wicket+x;
            }

            System.out.println("Total run in " + n +"
innings is " + total_wicket);
        }


    }

}
```
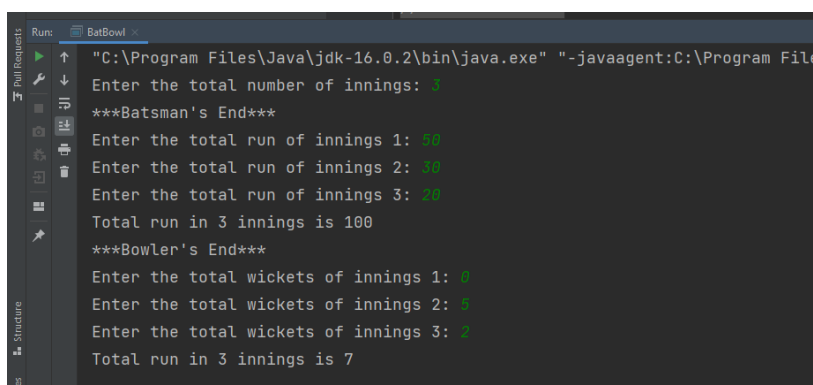
Output: