1.

```
public class Add{
   public static void main(String[] args){
   int runningTotal =0;
   System.out.println(runningTotal);
   runningTotal +=5;
   System.out.println(runningTotal);
   runningTotal +=8;
   System.out.println(runningTotal);
   runningTotal +=2;
   System.out.println(runningTotal);
   runningTotal +=3;
   System.out.println(runningTotal);


   }
}
```

2.

```
public class Average{
   public static void main(String[] args){
      float num1 = 75;
      float num2 = 85;
      float avg=0;
      avg= (num1+num2)/2;
      System.out.println(avg);
   }
}
```

3.

```
import java.util.Scanner;
public class Hello{
   public static void main(String[] args){
      Scanner scanner= new Scanner(System.in);
      System.out.println("Enter your name: ");
      String name = scanner.next();

      System.out.println("20");
   }
}
```

4. //finding bugs and correcting them

```
public class HelloWorld{
 public static void main(String[] args){
   String name = "John";
   String name2 = "Brown";
   System.out.println("Hello " + name +"" + name2 + "");
}
 }
```

5.

```
public class Menu{
   public static void main(String[] args){
   System.out.println("**********");
   System.out.println("***MENU***");
```

```
   System.out.println("**********");
   }
}
```

6.

```
import java.util.Scanner;
public class Initials{
   public static void main(String[] args){
      Scanner scanner= new Scanner(System.in);
      System.out.println("Enter first name: ");
      String name1=scanner.next();
      System.out.println("Enter second name: ");
      String name2=scanner.next();
      System.out.println(name1.charAt(0)+" "+ name2.charAt(0));
   }
}
```

7.

```
import java.util.Scanner;
public class Dimension{
   public static void main(String[] args){
      Scanner scanner= new Scanner(System.in);
      System.out.println("Enter distance in m : ");
      float length =scanner.nextFloat();
      float final_length= length*100;

      System.out.println("Distance in cm is "+final_length);
   }
```

```
}
```

8.

```
import java.util.Scanner;
public class Temperature{
   public static void main(String[] args){
      Scanner scanner=new Scanner(System.in);
      System.out.println("Enter Temperature in celsius: ");
      float c=scanner.nextFloat();
      float f= (9/5)*c + 32;
      System.out.println(f);
   }
}
```

9.

```
import java.util.Scanner;
public class Company {
   public static void main(String[] args){

      Scanner scanner=new Scanner(System.in);

      System.out.println("Enter number of manual workers: ");
      int manual=scanner.nextInt();
      System.out.println("Enter number of skilled workers: ");
      int skilled=scanner.nextInt();
      System.out.println("Enter number of management workers: ");
      int management=scanner.nextInt();
```

```
        int pay1=manual*500;
        int pay2=skilled*700;
        int pay3=management*800;

        int wagebill=pay1+pay2+pay3;
        float taxbill=wagebill*0.2f;

        System.out.println("Total Wage Bill is: "+ wagebill);
        System.out.println("Total tax : "+ taxbill);



    }
}
```