ASSIGNMENT-1

1.

```
package assignment_1;
import java.util.Scanner;

public class Assignment {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner input = new Scanner (System.in);
		System.out.print("Input the first number: ");
		int num1 = input.nextInt();
		System.out.print("Input the second number: ");
		int num2 = input.nextInt();
		int sum = num1 + num2;
		System.out.println();
		System.out.println("Sum: "+sum);
	  }
	}
```

2.

```
package assignment_1;
import java.util.Scanner;
public class Assignment {

		public static void main (String[] args)
		{
		    Scanner sc=new Scanner(System.in);

			System.out.println(" Enter the quantity purchased:");
			int QuantityPurchased=sc.nextInt();
			System.out.println("Rate per item:");
			float Rateperitem=sc.nextFloat();
			float Totalexpense=QuantityPurchased*Rateperitem;
			if(QuantityPurchased>1000)
			{
			   Totalexpense=Totalexpense-(Totalexpense/10);
			   System.out.println("Total expense:" +Totalexpense);
			}
			else
			{
			   System.out.println("Total expense:" +Totalexpense);
			}
		}
}
```

3.

```
package assignment_1;
import java.util.Scanner;
```

```
public class Assignment {

                public static void main (String[] args)
                {
                    int currentNumber;
                    Scanner ob=new Scanner(System.in);
                    System.out.println("currentNumber:");
                    currentNumber=ob.nextInt();

                if (currentNumber % 2 == 1)

                     currentNumber = currentNumber*3+1;

                else

                    currentNumber = currentNumber/2;

                    System.out.println("currentNumber: " +currentNumber );
                }
                }
```

4.

```
package assignment_1;
import java.util.Scanner;
public class Assignment
{
                    public int teenSum(int num1, int num2) {
                int sum = num1+num2;
                if ((num1 >= 13 && num1 <= 19) || (num2 >= 13 && num2 <= 19))
                  return 19;
                else
                  return sum;
                }

                public static void main(String[] args) {

                  int a,b;
                  Scanner ob=new Scanner(System.in);
                  System.out.println("a:");
                  a=ob.nextInt();
                  System.out.println("b:");
                  b=ob.nextInt();


                  Assignment obj = new Assignment();

                  int result = obj.teenSum(a,b);
                  System.out.println("teenSum: " + result);
                 }
                }
```

5.

```
package assignment_1;
import java.util.Scanner;
public class Assignment
```

```
{
        public static void main(String args[]){
          Scanner OB = new Scanner(System.in);
          int cost;
          System.out.print("Enter the Mobile Cost : ");
          cost = OB.nextInt();
          if(cost <= 13000)
            {
             System.out.print("Mobile chosen is within the budget");
            }
           else
            {
             System.out.print("Mobile chosen is beyond the budget");

            }

          }

        }
```

7.

```
package assignment_1;
import java.util.Scanner;
public class Assignment
{
        public static void main(String args[]){

                                Scanner ob =new Scanner(System.in);
                                System.out.println("Enter the color:");
                                String color=ob.next();
                                ob.nextLine();

                                switch(color) {
                                   case "green" :
                                   System.out.println("Go");
                                   break;

                                case "red" :
                                   System.out.println("Stop");
                                    break;
                                 case "yellow" :
                                   System.out.println("proceed with caution");
                                   break;

                                 default:
                                 System.out.println("ready to go");
                                 break;
                                 }
                              }
                        }
```