Program 1:

```
public class Assignment_2 {
   public static void main(String args[]){
      System.out.println("Hello");
      System.out.println("Meet Patolia");
   }
}
```

Program 2:

```
public class Assignment_2 {
   public static void main(String[] args){
      int a= 74 + 36;
      System.out.println(a);
   }
}
```

Program 3:

```
public class Assignment_2 {
   public static void main(String[] args){
      int a= 50/3;
      System.out.println(a);
   }
}
```

Program 4:

a)

```
public class Assignment_2 {
   public static void main(String[] args){
      int a= -5 + 8 * 6;
      System.out.println(a);
   }
}
```

b)

```
public class Assignment_2 {
   public static void main(String[] args){
      int a= (55+9) % 9;
      System.out.println(a);
```

```
    }
}
```

c)

```
public class Assignment_2 {
    public static void main(String[] args){
        int a= 20 + -3*5 / 8;
        System.out.println(a);
    }
}
```

d)

```
public class Assignment_2 {
    public static void main(String[] args){
        int a= 5 + 15 / 3 * 2 - 8 % 3;
        System.out.println(a);
    }
}
```

Program 5:

```
import java.util.*;
public class Assignment_2 {
    public static void main(String args[]){
        Scanner sc=new Scanner(System.in);
        int n1,n2;
        System.out.println("Enter first number: ");
        n1= sc.nextInt();
        System.out.println("Enter second number: ");
        n2= sc.nextInt();
        System.out.printf("%d * %d = %d ",n1,n2,n1*n2);
    }
}
```

Program 6:

```
import java.util.*;
public class Assignment_2 {
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
```

```
        int n1,n2;
        System.out.println("Enter first number: ");
        n1= sc.nextInt();
        System.out.println("Enter second number: ");
        n2= sc.nextInt();
        System.out.printf("%d + %d = %d ",n1,n2,n1+n2);
        System.out.println("");
        System.out.printf("%d - %d = %d ",n1,n2,n1-n2);
        System.out.println("");
        System.out.printf("%d * %d = %d ",n1,n2,n1*n2);
        System.out.println("");
        System.out.printf("%d / %d = %d ",n1,n2,n1/n2);
        System.out.println("");
        System.out.printf("%d % %d = %d ",n1,n2,n1%n2);
    }
}
```

Program 7:

```
public class Assignment_2 {
    public static void main(String[] args){
        int n=8,i;
        for(i=1;i<=10;i++){
            System.out.printf("%d * %d = %d",n,i,n*i);
            System.out.println("");
        }
    }
}
```

Program 8:

```
public class Assignment_2 {
    public static void main(String[] args){
        System.out.println("   J    a   v     v  a");
        System.out.println("   J   a a   v   v  a a");
        System.out.println("J  J  aaaaa   V V  aaaaa");
        System.out.println(" JJ  a     a   V  a     a");
    }
}
```

Program 9:

```
public class Assignment_2 {
   public static void main(String[] args){
      double a= ((25.5 * 3.5 - 3.5 * 3.5) / (40.5 - 4.5));
      System.out.println(a);
   }
}
```

Program 10:

```
public class Assignment_2 {
   public static void main(String[] args){
      double a= 4.0 * (1 - (1.0/3) + (1.0/5) - (1.0/7) + (1.0/9) - (1.0/11));
      System.out.println(a);
   }
}
```

Program 11:

```
public class Assignment_2 {
   public static void main(String[] args){
      final double pi=3.14,radius=7.5,perimeter,area;
      perimeter=2*pi*radius;
      System.out.println("Perimeter is = "+perimeter);
      area=pi*radius*radius;
      System.out.println("Area is = "+area);
   }
}
```

Program 12:

```
import java.util.*;
public class Assignment_2 {
   public static void main(String[] args){
      Scanner sc=new Scanner(System.in);
      int n1,n2,n3;
      System.out.println("Enter n1: ");
      n1= sc.nextInt();
      System.out.println("Enter n2: ");
      n2= sc.nextInt();
      System.out.println("Enter n3: ");
      n3= sc.nextInt();
```

```
        float avg;
        avg=(n1+n2+n3)/3;
        System.out.println("Average is: "+avg);
    }
}
```

Program 13:

```
public class Assignment_2 {
    public static void main(String[] args){
       float width=5.6f,height=8.5f;
        System.out.printf("Area is %f * %f = %f",width,height,width*height);
        System.out.println("");
        System.out.printf("Perimeter is 2*(%f + %f)=%f",width,height,2*(width+height));
    }
}
```

Program 14:

```
public class Assignment_2 {
    public static void main(String[] args){
        System.out.println("* * * * * * ==================================");
        System.out.println(" * * * * * *  ==================================");
        System.out.println("* * * * * * ==================================");
        System.out.println(" * * * * * *  ==================================");
        System.out.println("* * * * * * ==================================");
        System.out.println(" * * * * * *  ==================================");
        System.out.println("* * * * * * ==================================");
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        System.out.println("============================================");
        System.out.println("============================================");
        System.out.println("============================================");
        System.out.println("============================================");
        System.out.println("============================================");
        System.out.println("============================================");
    }
}
```

Program 15:

```
public class Assignment_2 {
   public static void main(String[] args){
      int a=5,b=10,temp;
      System.out.println("Before Swap: "+a+" "+b);
      temp=a;
      a=b;
      b=temp;
      System.out.println("After Swap: "+a+" "+b);
   }
}
```

Program 16:

```
public class Assignment_2 {
    public static void main(String[] args){
        System.out.println(" +\"\"\"\"\"+");
        System.out.println("[| o o |]");
        System.out.println(" |  ^  |");
        System.out.println(" | '-' |");
        System.out.println(" +-----+");
    }
}
```

Program 17:

```
public class Assignment_2 {
   public static void main(String[] args){
     int bin1,bin2;
     String binary1="10",binary2="11";
      bin1=Integer.parseInt(binary1,2);
      bin2=Integer.parseInt(binary2,2);
      System.out.println("Sum of two Binary numbers: "+Integer.toBinaryString(bin1+bin2));
    }
```

Program 18:

```
public class Assignment_2 {
   public static void main(String[] args){
     int bin1,bin2;
     String binary1="10",binary2="11";
      bin1=Integer.parseInt(binary1,2);
      bin2=Integer.parseInt(binary2,2);
      System.out.println("Product of two Binary numbers: "+Integer.toBinaryString(bin1*bin2));
```

```
    }
```

Program 19:

```
public class Assignment_2 {
   public static void main(String[] args){
    int decimal=5;
    String bin=" ";
    while (decimal>0){
        int rem=decimal%2;
        bin=rem + bin;
        decimal=decimal/2;
    }
       System.out.println("Binary number is: "+bin);
    }

   }
```

Program 20:

```
public class Assignment_2 {
   public static void main(String[] args){
    int num=15;
    char hexa[]={'0','1','2','3','4','5','6','7','8','9','A','B','C','D','E','F'};
    String hexadecimal=" ";
    while (num>0){
        int rem=num%16;
        hexadecimal=hexa[rem] + hexadecimal;
        num=num/16;
    }
       System.out.println("Hexadecimal number is: "+hexadecimal);
    }

   }
```

Program 21:

```
public class Assignment_2 {
   public static void main(String[] args) {
       int num=15;
       char oct[]={'0','1','2','3','4','5','6','7'};
       String octal="";
```

```
        while(num>0){
            int rem=num%8;
            octal=oct[rem] + octal;
            num=num/8;
        }
        System.out.println("Octal number is: "+octal);
    }
    }
```

Program 22:

```
public class Assignment_2 {
    public static void main(String[] args){
        int decimal;
      String binary="100";
        decimal=Integer.parseInt(binary,2);
        System.out.println("Decimal Number: "+decimal);
     }
```

Program 23:

```
public class Assignment_2 {
    public static void main(String[] args){
     int decimal;
     String hexa="1101";
     decimal=Integer.parseInt(hexa,2);
        System.out.println(Integer.toHexString(decimal));
     }
```

Program 24:

```
public class Assignment_2 {
    public static void main(String[] args){
     int decimal;
     String octa="111";
     decimal=Integer.parseInt(octa,2);
        System.out.println(Integer.toOctalString(decimal));
     }
```

Program 25:

```
public class Assignment_2 {
    public static void main(String[] args){
```

```
int decimal;
String octa="10";
decimal=Integer.parseInt(octa,8);
  System.out.println(decimal);
}
```