1.Print Hello World

```java
package yasin;
public class Assignment_1
    {
        public static void main(String[] args)
          {
              System.out.println("Hello World");
          }
    }
```

2. Add Two Numbers / Binary Numbers / Characters

```java
package yasin;
public class Assignment_1
    {
        public static void main(String[] args)
          {
                String binaryNumber1 = "10101", binaryNumber2 = "10001";
                Integer integer1 = Integer.parseInt(binaryNumber1, 2);
                Integer integer2 = Integer.parseInt(binaryNumber2, 2);
                Integer output = integer1 + integer2;
                System.out.println(Integer.toBinaryString(output));

                char a = 'T';
                char  b='Y';
                String str = b + a;
                 System.out.println(str);

          }
    }
```
Output: 100110
       YT

3. Calculate Compound Interest

```java
package yasin;
public class Assignment_1
    {
        public static void main(String[] args)
          {
              double principle = 10000, rate = 10.25, time = 5;
              double CI = principle * (Math.pow((1 + rate / 100), time));
               System.out.println("Compound Interest is "+ CI);
          }
    }
```

Output:
Compound Interest is 16288.946267774416

4.Calculate power of a number

```
package yasin;
public class Assignment_1
    {
        public static void main(String[] args)
            {
                int base = 3, exponent = 4;
                long result = 1;
                while (exponent != 0)
                  {
                        result *= base;
                        --exponent;
                  }
                System.out.println("Answer = " + result);
            }
    }
```

Output : Answer = 81

5.Swap Two Numbers

```
package yasin;
public class Assignment_1
    {
        public static void main(String[] args)
            {
                Int a=4,b=5,c;
                System.out.println("A = "+ a +" B = "+b);
                 c=a; a=b; b=c ;
                 System.out.println("A = "+ a +" B = "+b);
            }
    }
```

Output: A=4 B=5
        A=5 B=4