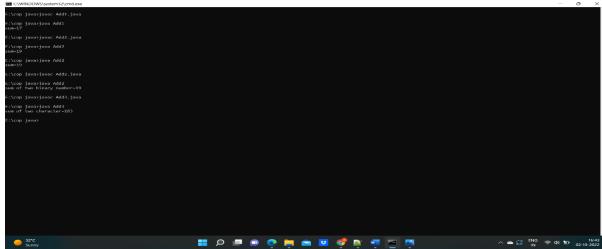
ASSIGNMENT -1(CONCEPTS OF PROGRAMMING)

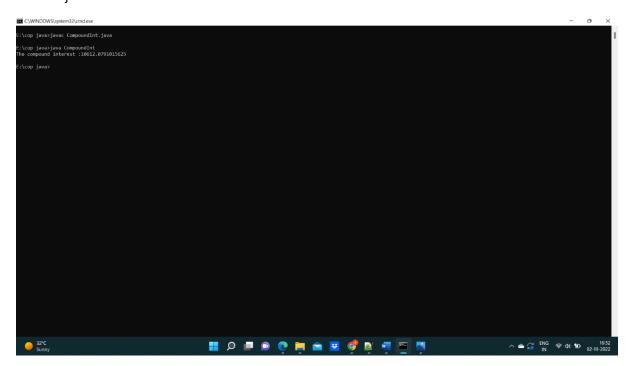
```
Q1) Write a java program to print hello world?
//write a program to print Hello World in java
                 class HelloWorld{
                 public static void main(String[] args)
        {
                 System.out.println("hello world");
        }
        }
        Helloworld
: find or load main class Helloworld
lang.NoClassDefFoundError: HelloWorld (wrong name: Helloworld)
                                     Ⅲ ♀ ■ ● ○ ■ ■ ■
Q2) .Write a java program Add two numbers/binary numbers characters?
class Add1{
          public static void main(String[] args){
          int a=9;
          int b=8;
```

```
System.out.println("sum="+(a+b));
 }
 }
class Add2{
 public static void main(String[] args){
 int a= 0b1011;
 int b= 0b1000;
 int c=a+b;
 System.out.println("sum of two binary number="+c);
 }
 }
class Add3{
public static void main(String[] args){
char a= 'A';
char b= 'b';
int c=a+b;
System.out.println("sum of two character="+c);
```



Q3) Write a program to calculate the compound interest?

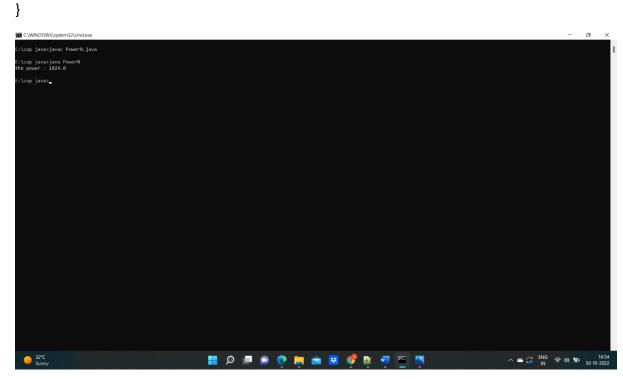
```
public class CompoundInt{
public class void main(String[] args){
float p=10000,r=2,t=3,Interest;
double Interest=p*((1+r/100)*(1+r/100)*(1+r/100));
System.out.println("The compound interest :" +Interest);
}
}
```



Q4) Write a program to calculate the power of a number?

```
public class PowerN{
public static void main(String[] args){
int b=4,e=5;
double Pow=Math.pow(b,e);
System.out.println("the power : "+Pow);
```

}



```
Q5) Write a program to swap the two numbers?

public class Sample1{

    public static void main(String[] args){

    int a=10,b=20;

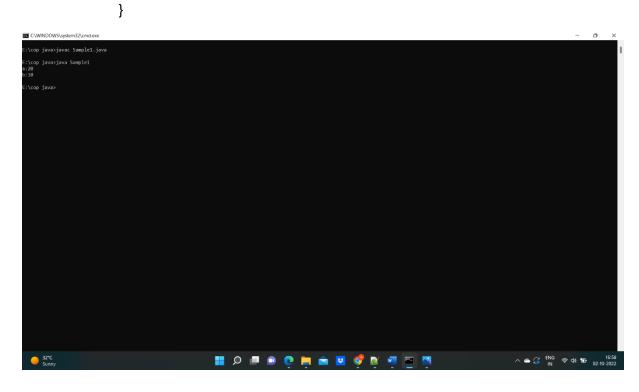
    a=a+b;

    b=a-b;

    a=a-b;

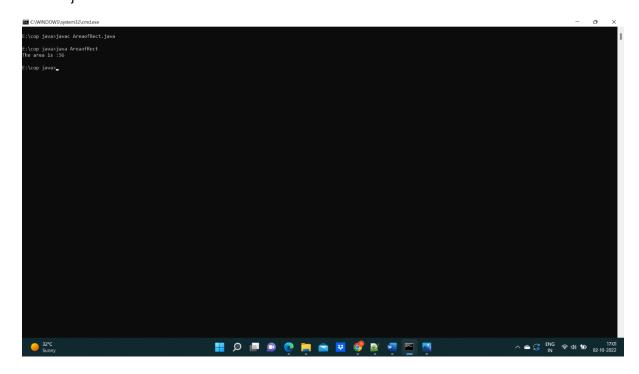
    System.out.println("a:"+a);

    System.out.println("b:"+b);
```



Q6) Write a program to calculate the area of reactangle?

```
public class AreaofRect{
public static void main(String[] args){
int a=8;
int b=7;
int area=a*b;
System.out.println("The area is :"+area);
}
```

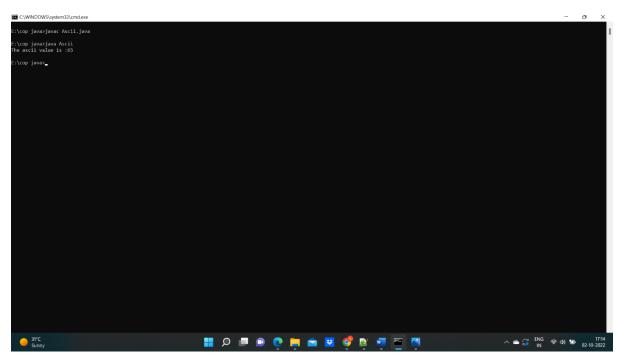


```
Q7) Calculate area and circumference of circle using multiple class?
       class area{
       double area(double r){
              return 3.14*r*r;
       }
}
class circumference {
       double circumference(double r){
              return 2*3.14*r;
       }
}
class Hello{
       public static void main(String[] args){
       area A = new area();
       circumference B = new circumference();
      System.out.println("The Area of circle with radius 21 is "+ A.area(21.0));
      System.out.println("The circumference is of circle with radius 21 is "+
B.circumference(21.0));
       }
}
```

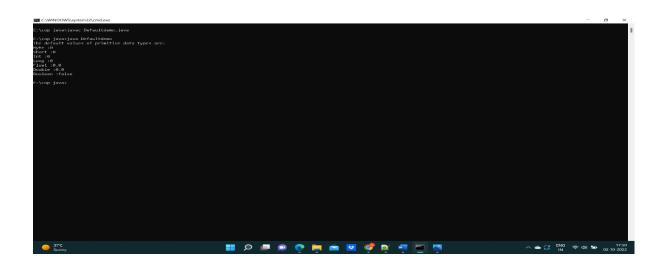
Q8) . Java program to find ASCII value of a character ?

```
class Ascii{
public static void main(String[] args){
char num='A';
int ascii = num;

System.out.println("The ascii value is :" +ascii);
}
}
```

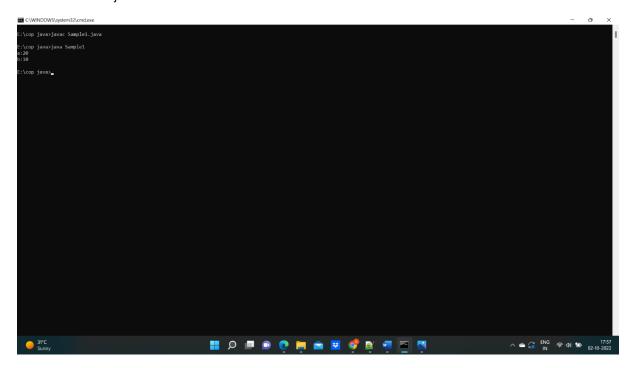


```
Q9) Print default values of primitive data type?
class Defaultdemo
{
        static byte b;
        static short s;
        static int i;
        static long I;
        static float f;
        static double d;
        static boolean bl;
        public static void main(String[] args)
{
        System.out.println("The default values of primitive data types are:");
        System.out.println("Byte:"+b);
        System.out.println("Short :"+s);
        System.out.println("Int :"+i);
        System.out.println("Long :"+I);
        System.out.println("Float :"+f);
        System.out.println("Double :"+d);
        System.out.println("Boolean :"+bl);
}
}
```



Q10) Swap two variables without using the using third variable ? public class Sample1{

```
public static void main(String[] args){
int a=10,b=20;
a=a+b;
b=a-b;
a=a-b;
System.out.println("a:"+a);
System.out.println("b:"+b);
}
```



Q11) Print Fibonacci series till n?

```
class FiboNum{
 public static void main(String[] args) {
  int n = 10, firstTerm = 0, secondTerm = 1;
  System.out.println("Fibonacci Series till " + n + " terms:");
  for (int i = 1; i \le n; ++i) {
   System.out.print(firstTerm + ", ");
   int nextTerm = firstTerm + secondTerm;
   firstTerm = secondTerm;
   secondTerm = nextTerm;
  }
 }
}
```