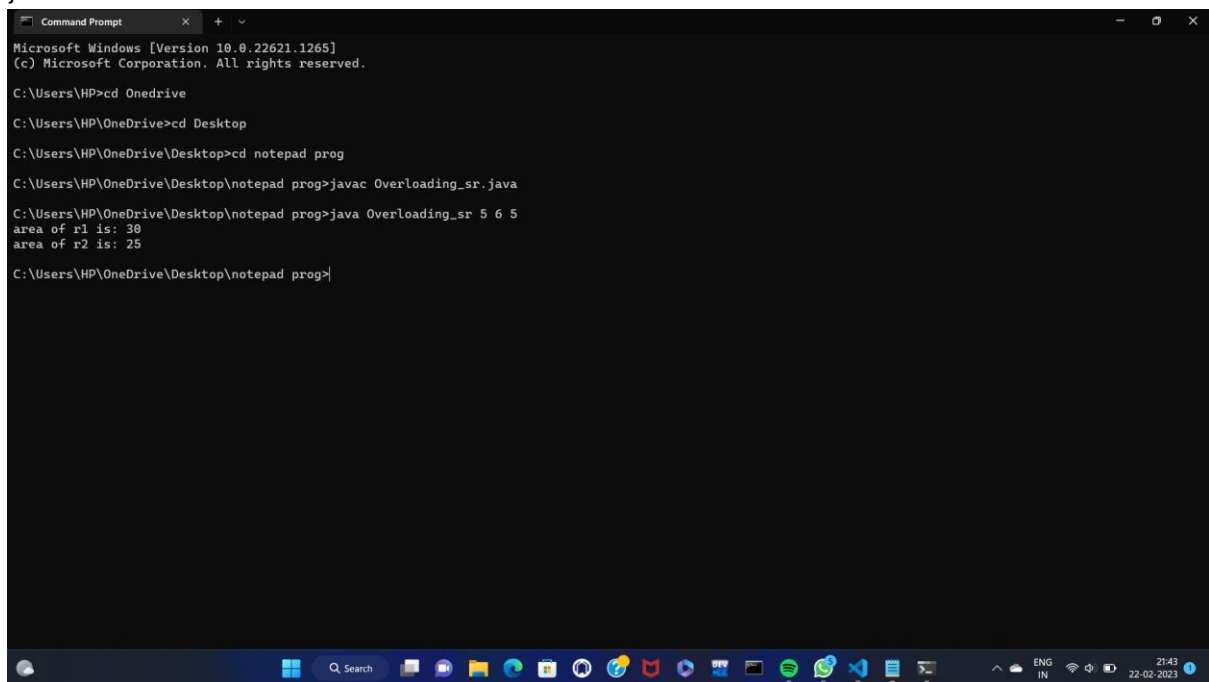


Q.2--->Write a java programme to --

A) Define a class named Room with data members length and breadth, make constructors and overload the constructor such that Room is rectangle & square, take the data members from command line arguments.

```
/*method overloading(rectangle,square)*/  
class Room  
{  
    int length;  
    int breadth;  
    Room(int a,int b) //assuming rectangle  
    {  
        length=a;  
        breadth=b;  
    }  
    Room(int a) //assuming square  
    {  
        length=breadth=a;  
    }  
    int area()  
    {  
        return(length*breadth);  
    }  
}  
class Overloading_sr  
{  
    public static void main(String args[])  
    {  
        int i=Integer.parseInt(args[0]);
```

```
int j=Integer.parseInt(args[1]);  
  
int k=Integer.parseInt(args[2]);  
  
Room r1=new Room(i,j);  
  
Room r2=new Room(k);  
  
System.out.println("area of r1 is: "+r1.area());  
  
System.out.println("area of r2 is: "+r2.area());  
  
}  
  
}
```



```
Command Prompt
Microsoft Windows [Version 10.0.22621.1265]
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C:\Users\HP>cd OneDrive
C:\Users\HP\OneDrive>cd Desktop
C:\Users\HP\OneDrive\Desktop>notepad prog
C:\Users\HP\OneDrive\Desktop\notepad prog>javac Overloading_sr.java
C:\Users\HP\OneDrive\Desktop\notepad prog>java Overloading_sr 5 6 5
area of r1 is: 30
area of r2 is: 25
C:\Users\HP\OneDrive\Desktop\notepad prog>|
```