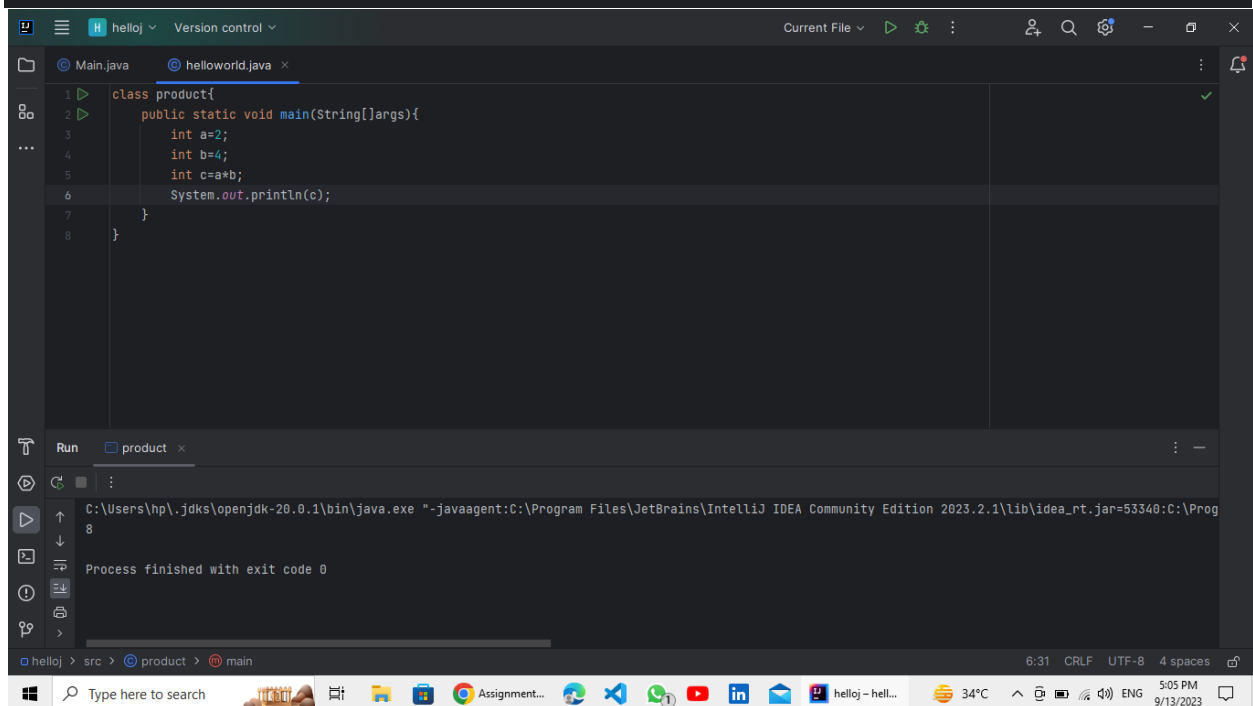


Assignments Solutions

Q1 - Take 2 integer values in two variables x and y and print their product.

Ans-

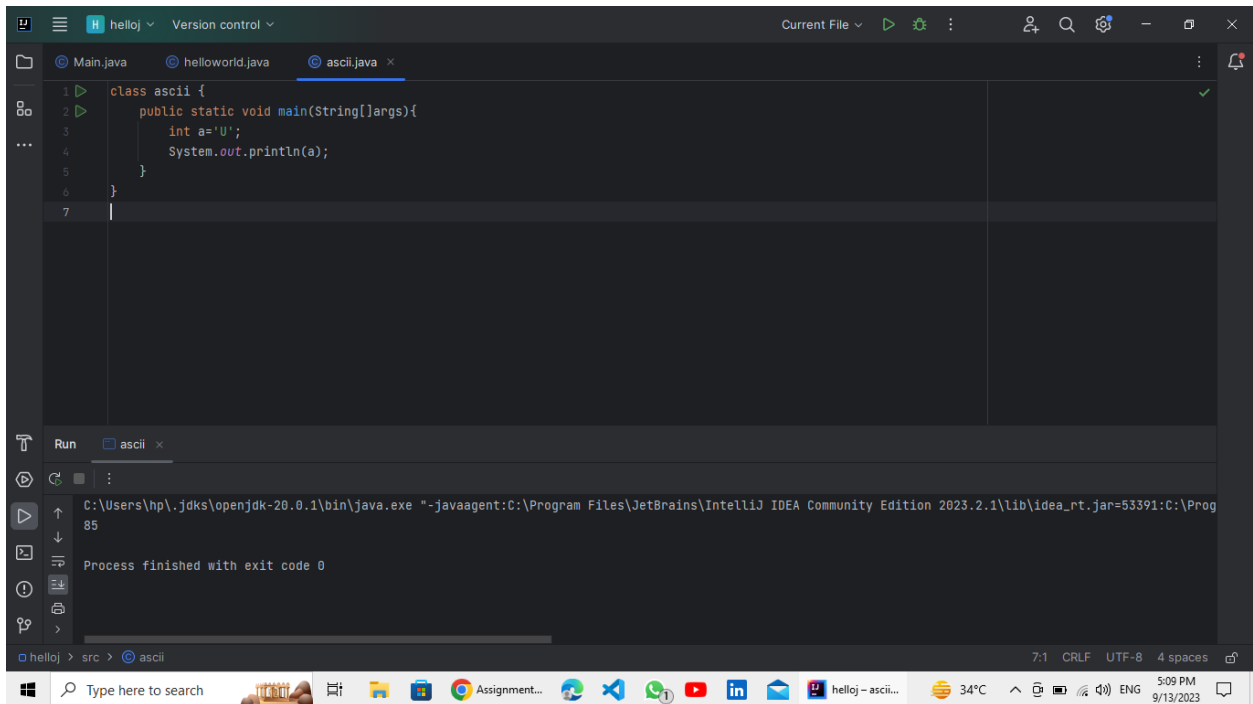
```
class product{  
    public static void main(String[] args){  
        int a=2;  
        int b=4;  
        int c=a*b;  
        System.out.println(c);  
    }  
}
```



Q2 - Print the ASCII value of character 'U'.

Ans-

```
class ascii {  
    public static void main(String[] args){  
        int a='U';  
        System.out.println(a);  
    }  
}
```



Q3 - Write a Java program to take the length and breadth of a rectangle and print its area.

Ans-

```
class area {  
    public static void main(String[] args) {  
        int length=7;  
        int breadth=4;  
        int area=length*breadth;  
        System.out.println("The area of rectangle is " +area);  
    }  
}
```

The screenshot shows the IntelliJ IDEA IDE with a project named 'helloj'. The file 'area.java' is open, containing the following code:

```
1 class area {  
2     public static void main(String[] args){  
3         int length=7;  
4         int breadth=4;  
5         int area=length*breadth;  
6         System.out.println("The area of rectangle is " +area);  
7     }  
8 }  
9
```

The Run window at the bottom shows the execution output:

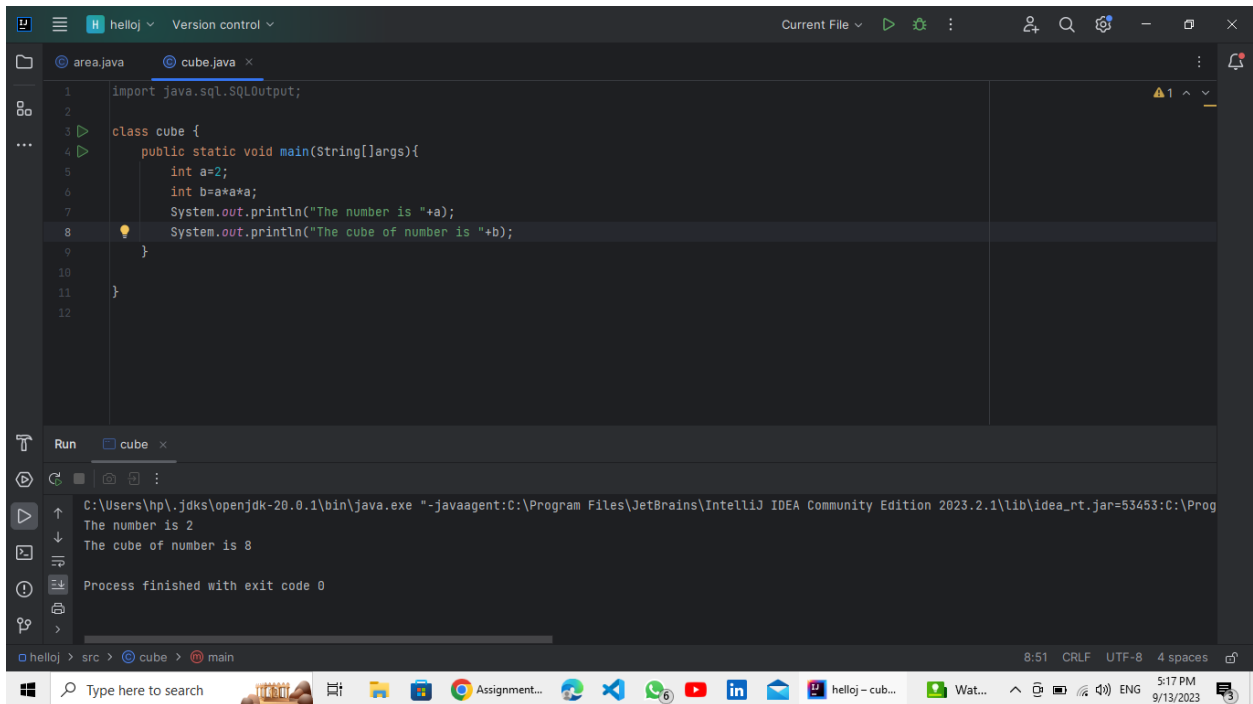
```
C:\Users\hp\.jdk\openjdk-20.0.1\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\lib\idea_rt.jar=53411:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin" C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.1\bin\java.exe  
The area of rectangle is 28  
Process finished with exit code 0
```

The status bar at the bottom indicates the file is at line 9, column 1, using CRLF line endings, UTF-8 encoding, and 4 spaces for indentation.

Q4 - Write a Java program to calculate the cube of a number.

Ans-

```
class cube {  
    public static void main(String[] args) {  
        int a=2;  
        int b=a*a*a;  
        System.out.println("The number is "+a);  
        System.out.println("The cube of number is "+b);  
    }  
}
```



Q5 - Write a Java program to swap two numbers with the help of a third variable.

Ans-

```
class swapNumber {
    public static void main(String[] args) {
        int num1=2;
        int num2=3;
        System.out.println("First number before swap "+num1);
        System.out.println("Second number before swap "+num2);
        int temp=num1;
        num1=num2;
        num2=temp;
        System.out.println("First number after swap "+num1);
        System.out.println("Second number after swap "+num2);
    }
}
```

