

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

**Sample Input :** x=2, y=4 (Both integers)

**Sample Output :** 8

Answer:

```
1 package Assignments;
2 import java.util.Scanner;
3 public class javaAssignment1 {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6         System.out.print("Enter 1st integer:");
7         int x = sc.nextInt();
8         System.out.print("Enter 2nd integer:");
9         int y = sc.nextInt();
10        System.out.println("The product of two integers are: "+(x*y));
11    }
12 }
```

Run: javaAssignment1 x

```
/home/raj/.jdk/openjdk-20/bin/java -javaagent:/app/idea-IC/lib/idea_rt.jar
Enter 1st integer:2
Enter 2nd integer:4
The product of two integers are: 8
```

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

**Sample Input :** already mentioned as 'U'

**Sample Output :** 85

```
1 package Assignments;
2
3 public class ASCIIValOfU {
4     public static void main(String[] args) {
5         char x = 'U';
6         int y = (int) x;
7         System.out.println(y);
8     }
9 }
```

ASCIIValOfU x

```
/home/raj/.jdk/openjdk-20/bin/java -javaagent:/app/idea-IC/lib/idea_rt.jar=3735
85
```

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

Sample Input : 7, 4

Sample Output : 28

```
3 public class areaOfRectangle {
4     public static void main(String[] args) {
5         Scanner input = new Scanner(System.in);
6         System.out.print("Enter length of Rectangle: ");
7         int len = input.nextInt();
8         System.out.print("Enter breadth of Rectangle: ");
9         int breadth = input.nextInt();
10        System.out.print("Area of Rectangle is "+(len*breadth));
11    }
12 }
```

areaOfRectangle -

```
/home/raj/.jdk/openjdk-20/bin/java -javaagent:/app/idea-IC/lib/idea_rt.jar=44421:/app/idea-IC/bin -Dfile.
Enter length of Rectangle: 7
Enter breadth of Rectangle: 4
Area of Rectangle is 28
```

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

Sample Input : 4

Sample Output : 64

The sizeof(bool) : 1 bytes

```
1 package Assignment1;
2 import java.util.Scanner;
3 public class cubeOfNumber {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6         System.out.print("Enter a number for its cube: ");
7         int x = sc.nextInt();
8         System.out.println("Cube of "+x+" is "+(x*x*x));
9     }
10 }
```

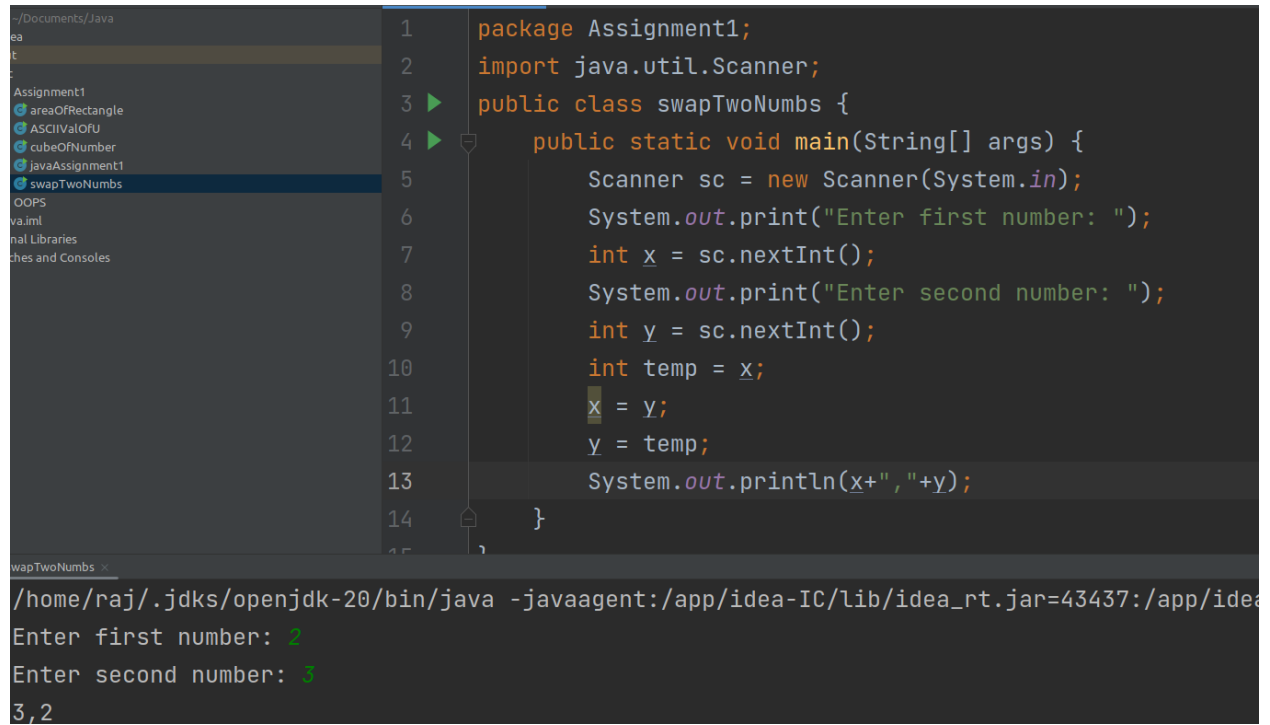
cubeOfNumber -

```
/home/raj/.jdk/openjdk-20/bin/java -javaagent:/app/idea-IC/lib/idea_rt.jar=42837:/app/idea-IC/bin -
Enter a number for its cube: 4
Cube of 4 is 64
```

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

Sample Input : 2,3

Sample Output : 3,2



The screenshot shows an IDE with a project named 'Assignment1' on the left. The file 'swapTwoNumbs' is selected. The main editor displays the following Java code:

```
1 package Assignment1;
2 import java.util.Scanner;
3 public class swapTwoNumbs {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6         System.out.print("Enter first number: ");
7         int x = sc.nextInt();
8         System.out.print("Enter second number: ");
9         int y = sc.nextInt();
10        int temp = x;
11        x = y;
12        y = temp;
13        System.out.println(x+", "+y);
14    }
15 }
```

The bottom console window shows the execution path and user input:

```
/home/raj/.jdk/openjdk-20/bin/java -javaagent:/app/idea-IC/lib/idea_rt.jar=43437:/app/idea
Enter first number: 2
Enter second number: 3
3,2
```