Assignment 1 Data Type

Q1. Take 2 integer values in two variables x and y and print their product. (Easy)

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

Sample Output : 8

 public class As{

    public static  void main(String args[]){

        int x = 2;

        int y = 4;

        int Product = (x\*y);

        System.out.println(Product);

    }

 }

//  Q2 - Print the ASCII value of character ‘U’. (Easy)

// Sample Input : already mentioned as ‘U’

// Sample Output : 85

class As {

    public static void main(String[] args) {

        // declare a char variable and assign it the value ‘U’

        char ch = 'U';

        // type cast the char variable to an int using (int)

        int ascii = (int) ch;

        // print the ASCII value using System.out.println()

        System.out.println(ascii);

    }

}

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

// Sample Input : 7, 4

// Sample Output : 28

public class As{

    public static void main(String args[]){

        int length = 7;

        int breadth = 4;

        int Area = (length\*breadth);

        System.out.println(Area);

    }

}

// Q4 - Write a Java program to calculate the cube of a number. (Easy)

// Sample Input : 4

// Sample Output : 64

// The sizeof(bool) : 1 bytes

public class As{

    public static void main(String args[]){

        int num = 4;

        System.out.println(" Cube:- " +num\*num\*num);

    }

}

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

// Sample Input : 2,3

// Sample Output : 3,2

import java.util.Scanner;

public class As {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter two numbers: ");

        int firstNumber = scanner.nextInt();

        int secondNumber = scanner.nextInt();

        // Create a third variable to store the value of the first number

        int temp = firstNumber;

        // Assign the value of the first number to the second number

        firstNumber = secondNumber;

        // Assign the value of the third variable to the second number

        secondNumber = temp;

        // Print the swapped numbers

        System.out.println("The swapped numbers are: " + firstNumber + ", " + secondNumber);

    }

}