

For tests 1 – 5, follow the instructions provided in the Submission.cs file

Test 1 – Write an overloaded constructor**Test 2 – Write a 'Getter' method****Test 3 – Write a 'Setter' method****Test 4 – Write a C# property****Test 5 – Write a 'regular' method****Test 6 – Call a static method and cast the result**

```
public static int Test6(int input)
```

Given an int, input, raise the input value to the 3rd power. Return the result as an int.

Example input

8

Example output

512

Test 7 – Call a static method

```
public static double Test7(float input)
```

Given a float, input, find the square root of the input and return the result.

Example input

98.81

Example output

9.9

Test 8 – Use integer division to find a quotient

```
public static int Test8(int number1, int number2)
```

Given two int values, number1 and number2, find the integer quotient when dividing number1 by number2.

Example input

19, 3

Example output

6

Test 9 – Use integer division to find a remainder

```
public static int Test9(int number1, int number2)
```

Given two int values, number1 and number2, find the remainder when dividing number1 by number2.

Example input

47, 13

Example output

8

Test 10 – Create a Random object using a seed, generate a ranged random number

```
public static int Test10(int min, int max, int seed)
```

Given a three int values, min, max and seed, create a Random object using the seed provided. Generate a random number between min (inclusive) and max (exclusive). Return the generated random number.

Example input

3, 19, 66

Example output

6