1. এখন পর্যন্ত ভিডিওগুলাতে যতগুলা কোড দেখানো হয়েছে সবগুলো কোডব্লকস এ টাইপ করে রান করে দেখ। প্রতিক্ষেত্রে মিলিয়ে দেখ আউটপুট মিলে কিনা।

1. Write a function to find the area of a rectangle given its length and width.

1. Write a function that will take an array and find its maximum.

1. Write a function which will right rotate an array by k. For example, array a has the values {1, 2, 3, 4, 5}. If we call Rotate(a). Array a will have the values {2, 3, 4, 5, 1}.

1. Write a function which will right rotate an array by k. For example, array a has the values {1, 2, 3, 4, 5}. If we call RotateByK(a, 3). Array a will have the values {4, 5, 1, 2, 3}. You can use the previous function.

1. Suppose, you call Rotate ByK(a, 1000000000). You will find that your program takes a lot of time. How can you optimize your program?

Hint: What happens when you rotate by the array length?

1. Write a function truncate() that takes a string and an integer k, and keeps only the first k characters. For example - if s is “abcd”, truncate(s, 2) will make s = “ab”

1. Declare three pointers a, b, c. a points to an int, b to an double, c to a char. Find out the values of the following expressions?
   1. a+1
   2. a-2
   3. b+3
   4. b-4
   5. c-5
   6. c+6
   7. a-b
2. In the following code, complete the box such that it prints “20 40”.

const int a = 20;

printf(“%d “, a);

|  |
| --- |
| \\\Write code here. |

printf(“%d “, a);

1. Asma wrote the following function to make an integer positive.

void makePositive(int a) {

if (a < 0) {

a = -a;

}

}

Will it work? If not, how can she fix it?