# C++ Assignments | Pointers | Week 4
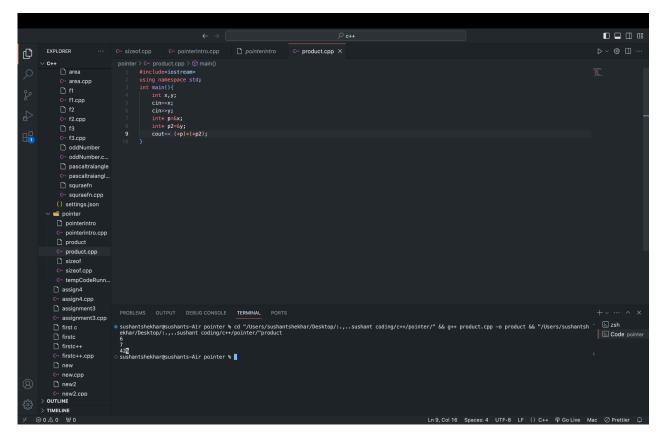
Q1 : Write a program to find the product of two numbers using pointers.



Q2 : int *p, q;

1. p is a pointer and q is an integer.

2. p and q both are pointers.

3. P and q both are integers.

4. Syntax is incorrect.

Ans:- **_1.p is a pointer and q is an integer._**

Q3: Find the output of the following code snippet.

int a = 10, b = 20;

```
int *ptr = &a;
b = *ptr + 1;
ptr = &b;
cout << *ptr << ' ' << a << ' ' << b;
```

1. 11 11 10
2. 10 10 10
3. 11 10 11
4. 10 11 10

Solution:_3.11 10 11

Here value b is update by value of a and post increment of it.
And pointer get update by the address of b.

Q4: Find the output of the following code snippet.

```
int a = 15, b = 20;
int *ptr = &a;
int *ptr2 = &b;
*ptr = *ptr2;
```

1. ptr now points to b
2. ptr2 now points to a
3. a gets value of b
4. b gets value of a

Ans:_ 3.A gets value of b .output of a and b is 20 20.

Q5: Is the following program snippet correct?
```
int a = 10, b = 20;
int *ptr;
*ptr = 5;
```

*Ans:_*

*Program is correct but there is a segmentation fault in it. It provide a runtime error because there has no any output of it.*