

```
C:\Users\eeemm\Desktop\STARKS-TASKS\week5>outtask1.exe  
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
C:\Users\eeemm\Desktop\STARKS-TASKS\week5>_
```

Out task1


```
^nnn  
C:\Users\eemm\Desktop\STARKS-TASKS\week5>gcc task1.1.c -o outt  
C:\Users\eemm\Desktop\STARKS-TASKS\week5>outtask1.1.exe  
before calling the function a=5  b=6  
inside function *n1=6 n2= 26  
after calling the function a=6  b=26  
C:\Users\eemm\Desktop\STARKS-TASKS\week5>
```

Outtask1.1
Becuse pass
adress of variable
not value

length : 342 · lines : 15

4 Pos : 241

3 items

here to search


```
C:\Users\eemm\Desktop\STARKS-TASKS\week5>outtask2.exe
```

```
enter number
```

```
5
```

```
factorial of number equal =120
```

```
C:\Users\eemm\Desktop\STARKS-TASKS\week5>
```

Outtask2

```
C:\Users\eeemm\Desktop\STARKS-TASKS\week5>gcc task3.c
enter the number 1 :3
enter the number 2 :2
sum = 5 Difference = 1 product = 6
C:\Users\eeemm\Desktop\STARKS-TASKS\week5>
```

Outtask3


```
Task number 2: 12
n1 = 3, Difference = 1, product = 6
C:\Users\eeemm\Desktop\STARKS-TASKS\week5>gcc task3.1.c -o outtask3.1.exe
task3.1.c: In function 'main':
task3.1.c:4:11: warning: initialization from incompatible pointer type [-Wincompatible-pointer-types]
char *ptr=&x;
      ^
C:\Users\eeemm\Desktop\STARKS-TASKS\week5>gcc task3.1.c -o outtask3.1.exe
C:\Users\eeemm\Desktop\STARKS-TASKS\week5>gcc task3.1.c -o outtask3.1.exe
task3.1.c: In function 'main':
task3.1.c:4:11: warning: initialization from incompatible pointer type [-Wincompatible-pointer-types]
char *ptr=&x;
      ^
```

Out task 3.1

**Compile time error
Because different
data type**


```
C:\Users\eemm\Desktop\STARKS-TASKS\week5>gcc task3.1.c -o outtask3.1.exe
C:\Users\eemm\Desktop\STARKS-TASKS\week5>gcc task3.1.c -o outtask3.1.exe
task3.1.c: In function 'main':
task3.1.c:4:11: warning: initialization from incompatible pointer type [-W
char *ptr=&x;
    ^
```

```
C:\Users\eemm\Desktop\STARKS-TASKS\week5>
```

```
C:\Users\eemm\Desktop\STARKS-TASKS\week5>outt
1000 6422040
```

```
C:\Users\eemm\Desktop\STARKS-TASKS\week5>
```

بعد تعديل data type

اتغير الرقم عشان

اضفت واحد فغير

الaddress فجاب قيمه

من الaddress الجديد

لان ما حطتش *

length: 101 · lines: 7

10 items 1 item selected 101 bytes

here to search


```
C:\Users\eemm\Desktop\STARKS-TASKS\week5>outta  
enter string      starks embedded branch  
vowels= 5   consonants =15  
C:\Users\eemm\Desktop\STARKS-TASKS\week5>_
```

Out task 4

Outtask 5

```
C:\Users\eeemm\Desktop\STARKS-TASKS\week5>
enter size of array      4
enter elements of array
2
3
5
6
6  5  3  2
C:\Users\eeemm\Desktop\STARKS-TASKS\week5>
```



```
C:\Users\eeemm\Desktop\STARKS-TASKS\week5>gcc task6.c -o
```

```
C:\Users\eeemm\Desktop\STARKS-TASKS\week5>outtask6.exe
```

```
enter size of array      5
```

```
enter elements of array
```

```
-1
```

```
5
```

```
-2
```

```
-3
```

```
6
```

```
-3  -2  -1  5  6
```

```
C:\Users\eeemm\Desktop\STARKS-TASKS\week5>
```

Outtask6


```
C:\Users\eemm\Desktop\STARKS-TASKS\week5>outtask7.exe  
011231231230123  
123  
First occurrence of 123 at index 2  
C:\Users\eemm\Desktop\STARKS-TASKS\week5>
```

Out task 7



Type here to search



8. Write the explanation of the following complex pointer sentences :

❖ `int ** (* (*ptr) (int x) ()) ;`

❖ `void * (* (*N[3]) ()) ()) ;`

1-pointer to function ,function passed one integer value and return pointer ,pointer to function, function return pointer ,pointer to pointer, pointer to integer variable.

2-array consists of 3 pointers ,pointer to function, function return pointer ,pointer to function, function return pointer,pointer to any data type because Exist void


```
clean is not recognized as an internal or external command, operable program or batch file.  
C:\Users\veemm\Desktop\STARKS-TASKS\week5>out  
task9.exe' is not recognized as an internal or external command, operable program or batch file.  
C:\Users\veemm\Desktop\STARKS-TASKS\week5>out  
enter number 1-55  
enter number 2.2  
up =10.65  
C:\Users\veemm\Desktop\STARKS-TASKS\week5>
```

Out task 9