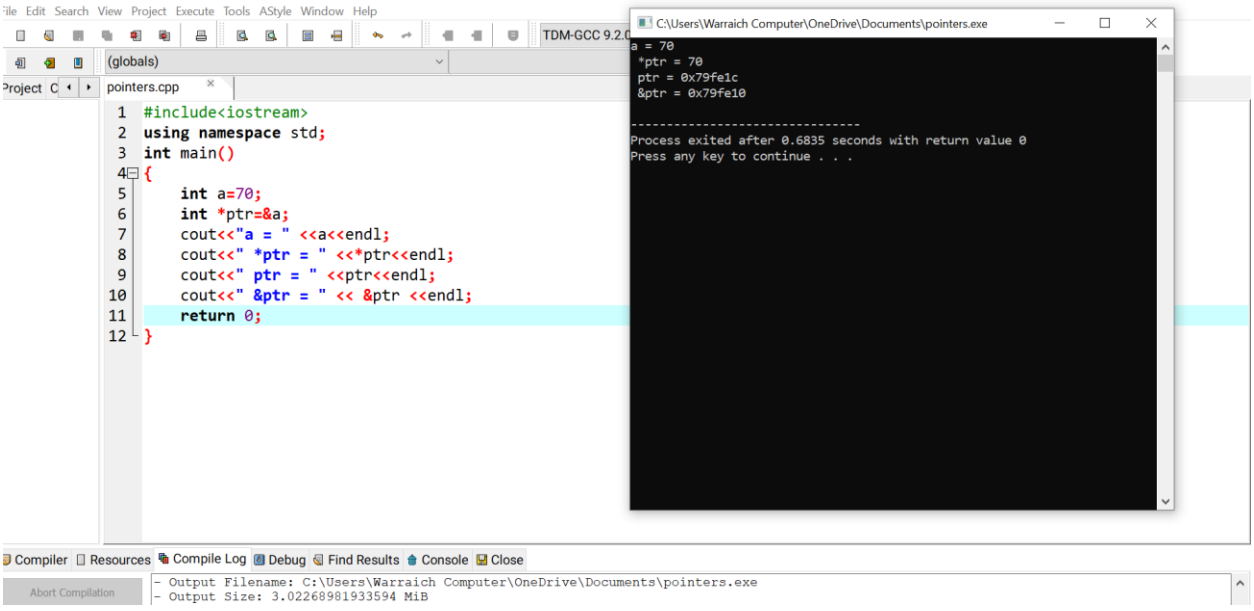
PROGRAMMING FUNDAMENTAL

POINTERS

Task 1



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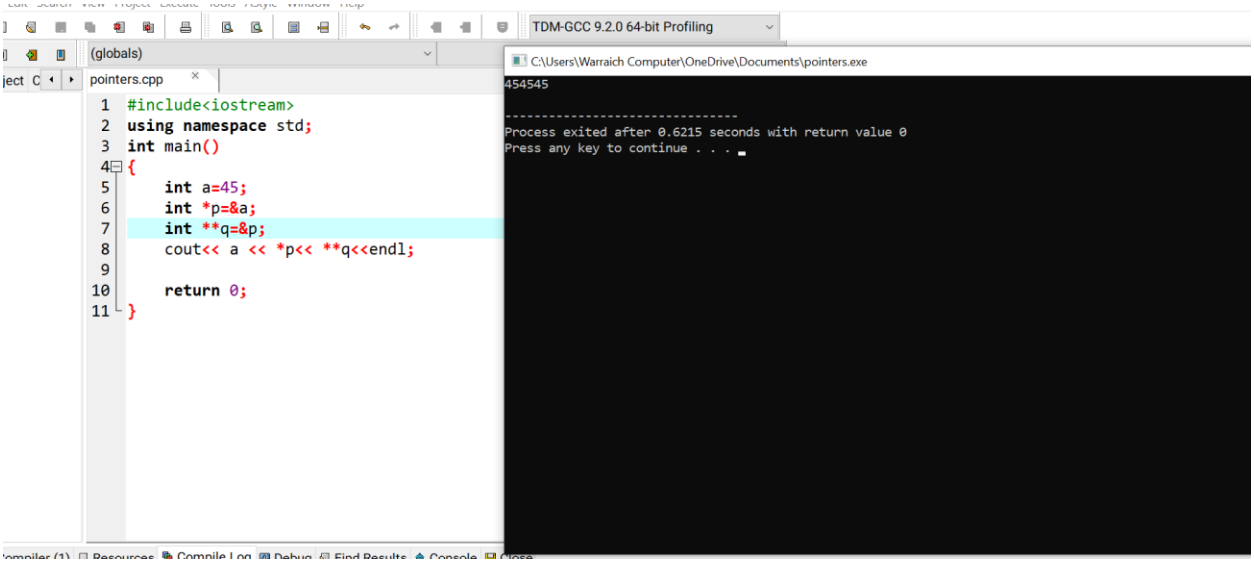
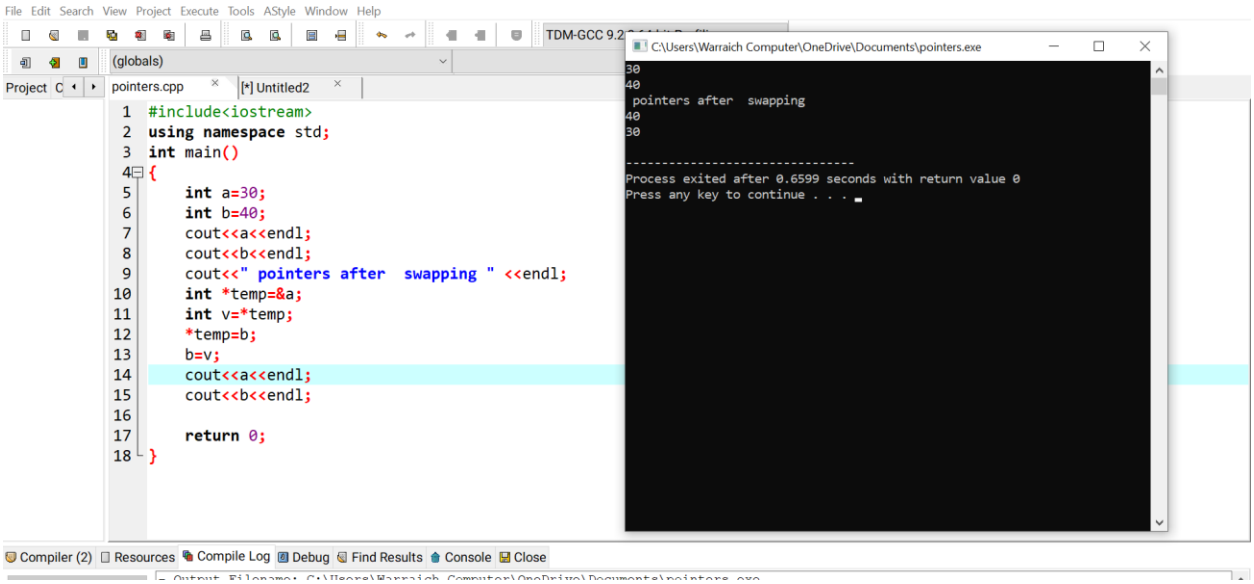
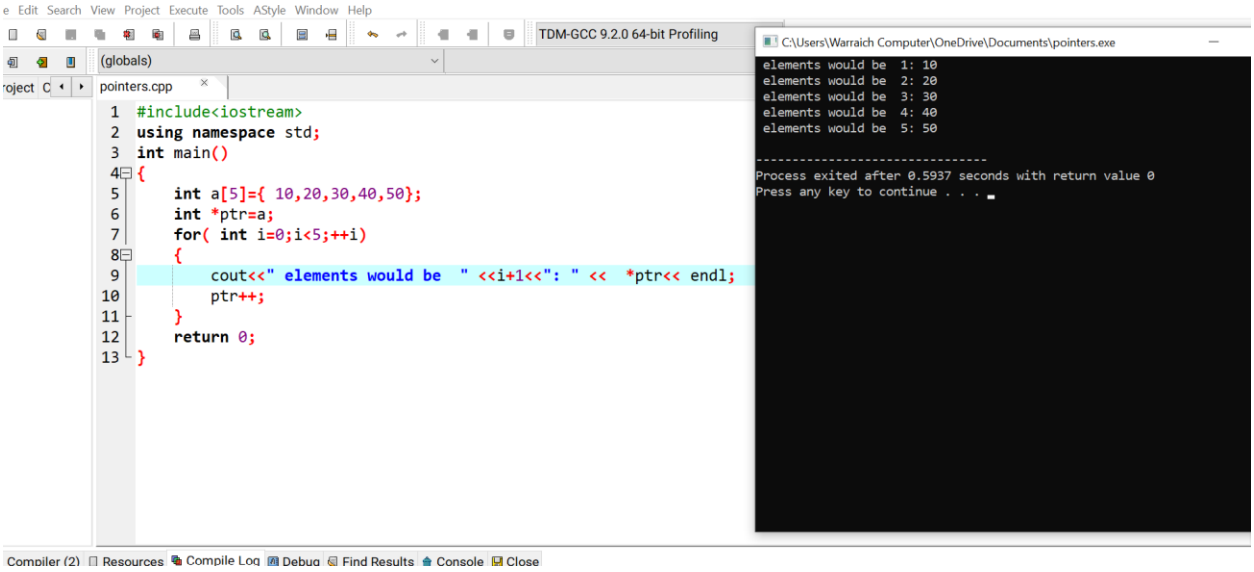
Task 2



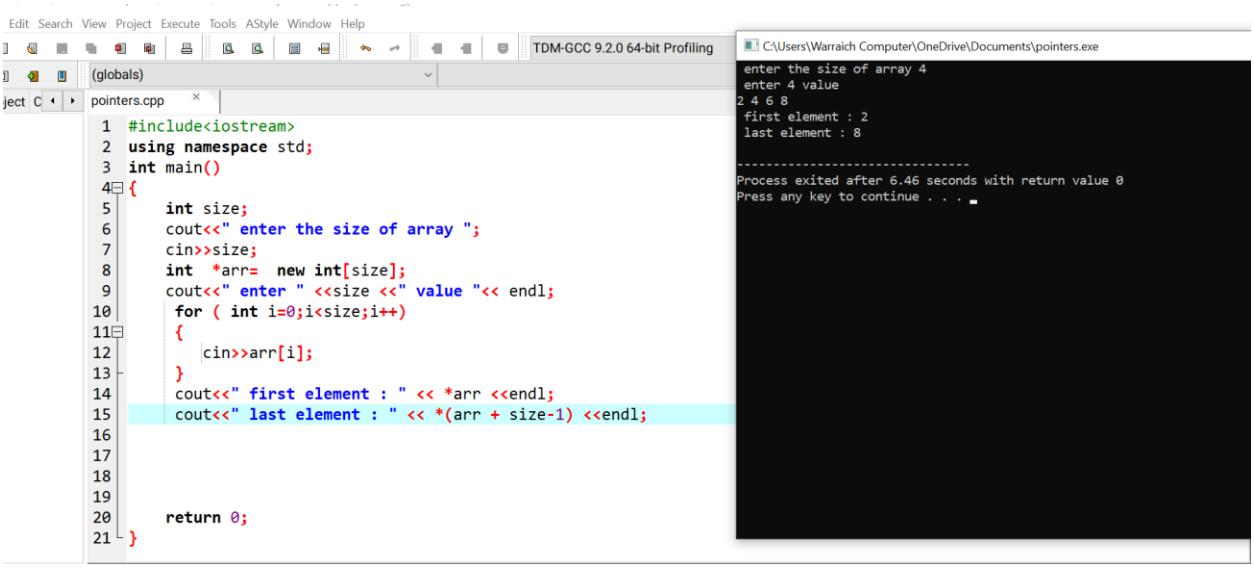
Task 3


File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project C
pointers.cpp
[*] Untitled2
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5 int a=30;
6 int b=40;
7 cout<<a<<endl;
8 cout<<b<<endl;
9 cout<<" pointers after swapping " <<endl;
10 int *temp=&a;
11 int v=*temp;
12 *temp=b;
13 b=v;
14 cout<<a<<endl;
15 cout<<b<<endl;
16
17 return 0;
18 }
C:\Users\Warraich Computer\OneDrive\Documents\pointers.exe
30
40
pointers after swapping
40
30
Process exited after 0.6599 seconds with return value 0
Press any key to continue . . .
Compiler (2) Resources Compile Log Debug Find Results Console Close

Task 4


Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Profiling
(globals)
pointers.cpp
#include<iostream>
using namespace std;
int main()
{
int a[5]={ 10,20,30,40,50};
int *ptr=a;
for(int i=0;i<5;++i)
{
cout<<" elements would be " <<i+1<<": " << *ptr<< endl;
ptr++;
}
return 0;
}
C:\Users\Warraich Computer\OneDrive\Documents\pointers.exe
elements would be 1: 10
elements would be 2: 20
elements would be 3: 30
elements would be 4: 40
elements would be 5: 50
Process exited after 0.5937 seconds with return value 0
Press any key to continue . . .
Compiler (2) Resources Compile Log Debug Find Results Console Close

Task 5


Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Profiling
(globals)
pointers.cpp
#include<iostream>
using namespace std;
int main()
{
int size;
cout<<" enter the size of array ";
cin>>size;
int *arr= new int[size];
cout<<" enter " <<size <<" value "<< endl;
for (int i=0;i<size;i++)
{
cin>>arr[i];
}
cout<<" first element : " << *arr <<endl;
cout<<" last element : " << *(arr + size-1) <<endl;
return 0;
}
C:\Users\Warraich Computer\OneDrive\Documents\pointers.exe
enter the size of array 4
enter 4 value
2 4 6 8
first element : 2
last element : 8
Process exited after 6.46 seconds with return value 0
Press any key to continue . . .