

OOP-LAB Task 1

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Section : 2D

Qns1:

```
#include <iostream>

using namespace std;

int main ()
{
    int arr[5];

    int *ptr;

    ptr=arr;

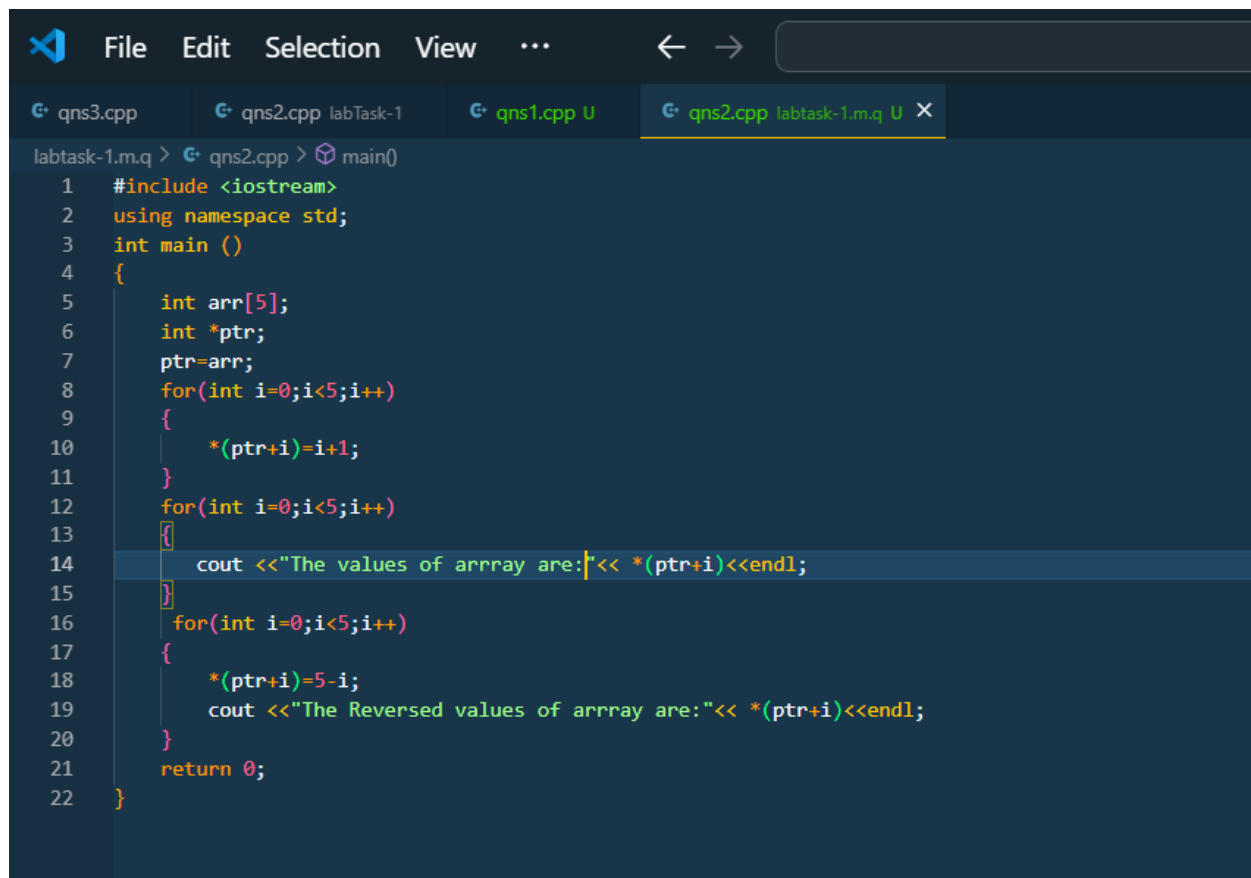
    for(int i=0;i<5;i++)
    {
        *(ptr+i)=i+1;
    }

    for(int i=0;i<5;i++)
    {
        cout <<"The values of array are:"<< *(ptr+i)<<endl;
    }

    for(int i=0;i<5;i++)
    {
        *(ptr+i)=5-i;

        cout <<"The Reversed values of array are:"<< *(ptr+i)<<endl;
    }

    return 0;
}
```



```
labtask-1.m.q > qns2.cpp > main()
1  #include <iostream>
2  using namespace std;
3  int main ()
4  {
5      int arr[5];
6      int *ptr;
7      ptr=arr;
8      for(int i=0;i<5;i++)
9      {
10         *(ptr+i)=i+1;
11     }
12     for(int i=0;i<5;i++)
13     {
14         cout <<"The values of array are:"<< *(ptr+i)<<endl;
15     }
16     for(int i=0;i<5;i++)
17     {
18         *(ptr+i)=5-i;
19         cout <<"The Reversed values of array are:"<< *(ptr+i)<<endl;
20     }
21     return 0;
22 }
```

Figure 1Code

Output:



```
TERMINAL SOURCE CONTROL OUTPUT DEBUG CONSOLE PORTS COMMENTS PROBLEMS OPEN EDITORS
PS C:\Users\Azan Noor\OneDrive\Desktop\Lab Task Opp\labtask-1.m.q> ./output
PS C:\Users\Azan Noor\OneDrive\Desktop\Lab Task Opp\labtask-1.m.q> g++ -g qns2.cpp -o ./output
PS C:\Users\Azan Noor\OneDrive\Desktop\Lab Task Opp\labtask-1.m.q> ./output
The values of array are:1
The values of array are:2
The values of array are:3
The values of array are:2
The values of array are:2
The values of array are:3
The values of array are:4
The values of array are:5
The Reversed values of array are:5
The Reversed values of array are:4
The Reversed values of array are:3
The Reversed values of array are:2
The Reversed values of array are:1
PS C:\Users\Azan Noor\OneDrive\Desktop\Lab Task Opp\labtask-1.m.q> 
```

Qns 1:

```
#include<iostream>

using namespace std;

void turns_one_other(int *c, int *d)
{
    int temp=*c;
    *c=*d;
    *d=temp;
}

int main()
{
    int a=5,b=10;
    int *p=&a,*p2=&b;
    turns_one_other(p,p2);

    cout<<"The Vale of a and b after swaping is :"<<*p<<" and "<<*p2<<endl;
}
```

```
labtask-1.m.q > qns1.cpp > main()
1  #include<iostream>
2  using namespace std;
3  void turns_one_other(int *c, int *d)
4  {
5      int temp=*c;
6      *c=*d;
7      *d=temp;
8  }
9  int main()
10 {
11     int a=5,b=10;
12     int *p=&a,*p2=&b;
13     turns_one_other(p,p2);
14     cout<<"The Vale of a and b after swaping is :"<<*p<<" and "<<*p2<<endl;
15 }
```

Output:

```
PS C:\Users\Azan Noor\OneDrive\Desktop\Lab Task Opp\labtask-1.m.q> g++ -g qns1.cpp -o ./output
PS C:\Users\Azan Noor\OneDrive\Desktop\Lab Task Opp\labtask-1.m.q> ./output
The Vale of a and b after swaping is :10 and 5
PS C:\Users\Azan Noor\OneDrive\Desktop\Lab Task Opp\labtask-1.m.q> 
```