```cpp
#include<iostream>
using namespace std;
int main()
{
  int n1,n2,i,j;
  cout<<"Enter the no. of elements of the 1st array: ";
  cin>>n1;


  int arr1[n1];

  cout<<"Enter the elements of the 1st array: ";
  for(i=0;i<n1;i++)
  {
    cin>>arr1[i];
  }

  cout<<"\nEnter the no. of elements of the 2nd array: ";
  cin>>n2;


  int arr2[n2];

  cout<<"Enter the elements of the 2nd array: ";
  for(i=0;i<n2;i++)
  {
    cin>>arr2[i];
  }


  cout<<"\nThe intersection of the two arrays: ";
  for(i=0;i<n1;i++)
  {
    for(j=0;j<n2;j++)
    {
      if(arr1[i]==arr2[j])
      {
        cout<<arr1[i]<<" ";
      }
    }
  }

  return 0;
}
```

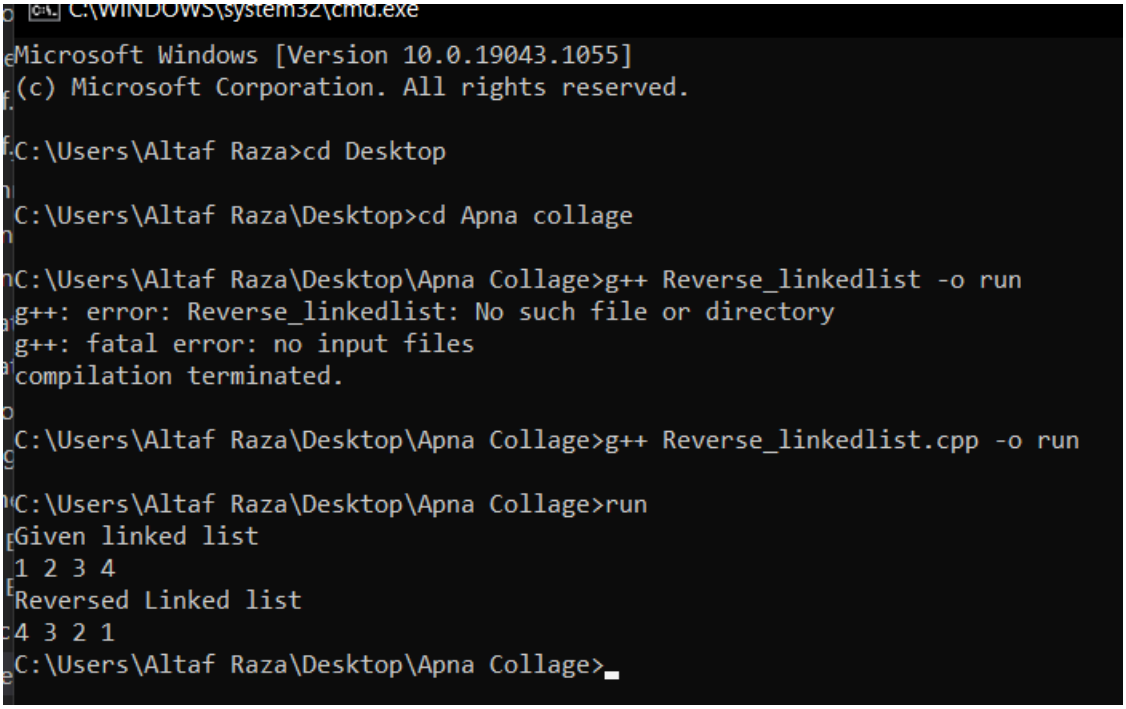
```
PS C:\Users\Altaf Raza\Desktop\Apna Collage> cd "c:\Users\Altaf Raza\Desktop\Apna Collage\" ; if ($?) { g++ integer__array.cpp -o integer__array } ;
 if ($?) { .\integer__array }
Enter the no. of elements of the 1st array: 3
Enter the elements of the 1st array: 4 9 5

Enter the no. of elements of the 2nd array: 5
Enter the elements of the 2nd array: 9 4 9 8 4

The intersection of the two arrays: 4 4 9 9
PS C:\Users\Altaf Raza\Desktop\Apna Collage>
```

Q.2

```cpp
#include <iostream>
using namespace std;

struct Node {
    int data;
    struct Node* next;
    Node(int data)
    {
        this->data = data;
        next = NULL;
    }
};

struct LinkedList {
    Node* head;
    LinkedList() { head = NULL; }

    void reverse()
    {

        Node* current = head;
        Node *prev = NULL, *next = NULL;

        while (current != NULL) {

            next = current->next;


            current->next = prev;

            prev = current;
            current = next;
        }
        head = prev;
    }
```

```
    void print()
    {
        struct Node* temp = head;
        while (temp != NULL) {
            cout << temp->data << " ";
            temp = temp->next;
        }
    }

    void push(int data)
    {
        Node* temp = new Node(data);
        temp->next = head;
        head = temp;
    }
};

int main()
{

    LinkedList ll;
    ll.push(4);
    ll.push(3);
    ll.push(2);
    ll.push(1);

    cout << "Given linked list\n";
    ll.print();

    ll.reverse();

    cout << "\nReversed Linked list \n";
    ll.print();
    return 0;
}
```

Output


C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19043.1055]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Altaf Raza>cd Desktop
C:\Users\Altaf Raza\Desktop>cd Apna collage
C:\Users\Altaf Raza\Desktop\Apna Collage>g++ Reverse_linkedlist -o run
g++: error: Reverse_linkedlist: No such file or directory
g++: fatal error: no input files
compilation terminated.
C:\Users\Altaf Raza\Desktop\Apna Collage>g++ Reverse_linkedlist.cpp -o run
C:\Users\Altaf Raza\Desktop\Apna Collage>run
Given linked list
1 2 3 4
Reversed Linked list
4 3 2 1
C:\Users\Altaf Raza\Desktop\Apna Collage>

MCQ

ALTAF SIDDIQUE

Assignment-3

MCQs

1 Ans ofstream

2 Ans ifstream

3 Ans fstream

4 Ans ios::binary

5 Ans B

6 Ans B