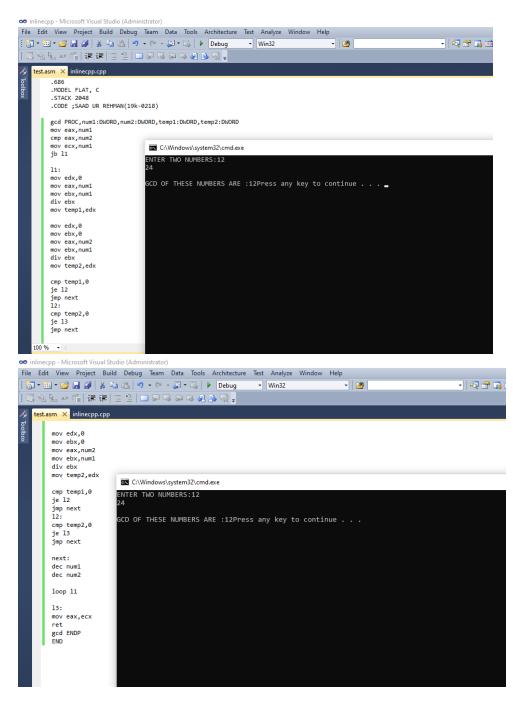
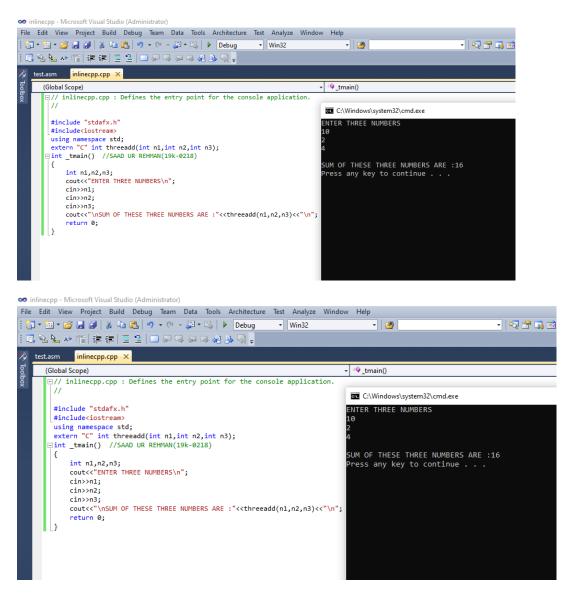
LAB 12 INLINE TASK

Q1:

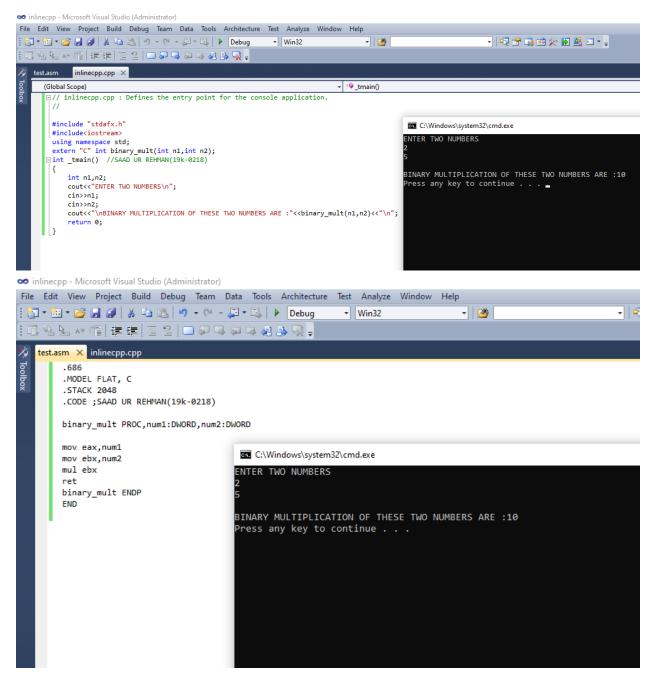
```
on inlinecpp - Microsoft Visual Studio (Administrator)
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🎋 test.asm inlinecpp.cpp 🗙
      (Global Scope)
                                                                         #include "stdafx.h"
                                                              C:\Windows\system32\cmd.exe
       #include<iostream>
                                                             ENTER TWO NUMBERS:12
     using namespace std;
extern "C" int gcd(int n1,int n2,int temp1,int temp2);
int _tmain() //SAAD UR REHMAN(19k-0218)
                                                             GCD OF THESE NUMBERS ARE :12Press any key to continue . . . _
           int n1,n2;int a;
int temp1=0,temp2=0;
           cout<<"ENTER TWO NUMBERS:";</pre>
           cin>>n1:
           cin>>n2;
           gcd(n1,n2,temp1,temp2);
          _asm{
mov a,ecx;
           cout<<"\nGCD OF THESE NUMBERS ARE :"<<a;
```



Q2:



Q3:



Q4:

on inlinecpp - Microsoft Visual Studio (Administrator)

```
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🂢 test.asm inlinecpp.cpp 🗙
                                                                               (Global Scope)
        #include "stdafx.h"
        #include<iostream>
                                                                                 C:\Windows\system32\cmd.exe
        using namespace std;
extern "C" int MinMaxArray(int n[10]);
                                                                                ENTER 10 NUMBERS1
       int _tmain() //SAAD UR REHMAN(19k-0218)
            int n[10];
            int min,max;
cout<<"ENTER 10 NUMBERS";
            for(int i=0;i<10;i++)
                cin>>n[i];
            MinMaxArray(n);
            _asm{
	mov min,ebx;
                                                                                 MINIMUM VALUE:1
MAXIMUM VALUE :65Press any key to continue . . .
                mov max,edx;
            cout<<"\n MINIMUM VALUE:"<<min<<"\n MAXIMUM VALUE :"<<max;
            return 0;
```

on inlinecpp - Microsoft Visual Studio (Administrator)

```
File Edit View Project Build Debug Team Data Tools Architecture Test Analyze Window Help
▼ Win32
                                                                          - |
test.asm* X inlinecpp.cpp
       .686
       .MODEL FLAT, C
       .STACK 2048
       .CODE ;SAAD UR REHMAN(19k-0218)
       MinMaxArray PROC,n:DWORD
       ;FOR FINDING MINIMUM
                                   C:\Windows\system32\cmd.exe
       mov edi,n
                                  ENTER 10 NUMBERS1
       mov eax,[edi]
                                  23
2
       mov ebx,eax
       mov ecx,10
       finding_min:
       mov eax,[edi]
       cmp eax,ebx
       ja 13
       mov ebx,eax
       13:
       add edi,4
       loop finding min
                                   MINIMUM VALUE:1
       ;FOR FINDING MAXIMIM
                                   MAXIMUM VALUE :65Press any key to continue . . .
       mov eax,0
       mov edi,n
       mov eax,[edi]
       mov edx,eax
       mov ecx,10
       finding_max:
       mov eax,[edi]
       cmp eax,edx
       jb 14
       mov edx,eax
       14:
       add edi,4
       loop finding_max
       ret
   100 %
```