

Q1

```
#include<stdio.h>
```

```
int main(){
```

```
    int arr[] = {1,2,3,4,5};
```

```
    int brr[] = {1,6,7,3,2};
```

```
    int crr[5];
```

```
    int i,j;
```

```
    printf("Common elements :");
```

```
    for(i=0;i<5;i++)
```

```
    {
```

```
        for(j=0;j<5;j++)
```

```
        {
```

```
            if(arr[i]==brr[j])
```

```
            {
```

```
                printf("%d ",arr[i]);
```

```
            }
```

```
        }
```

```
    }
```

The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows the file structure with 'Q1.c' selected. The Editor pane displays the C code for 'Q1.c', which is a program to find common elements between two arrays. The Output pane at the bottom shows the execution results, including the command to compile and run the program, and the output 'Common elements :1 2 3'.

```
Q1.c > main()
1  #include<stdio.h>
2  int main(){
3      int arr[] = {1,2,3,4,5};
4      int brr[] = {1,6,7,3,2};
5      int crr[5];
6      int i,j;
7
8      printf("Common elements :");
9      for(i=0;i<5;i++)
10     {
11         for(j=0;j<5;j++)
12         {
13             if(arr[i]==brr[j])
14             {
15                 printf("%d ",arr[i]);
16             }
17         }
18     }
19 }
```

PS C:\Users\AJIT\Desktop\Test6> cd "c:\Users\AJIT\Desktop\Test6\" ; if (\$?) { gcc Q1.c -o Q1.exe ; if (\$?) { .\Q1.exe } }

Common elements :1 2 3

PS C:\Users\AJIT\Desktop\Test6>

Q2

```
#include<stdio.h>
```

```
int main(){
```

```
    int arr[]={1,2,3,4,5};
```

```
    int max=arr[0];
```

```
    int max2=-1;
```

```
    for( int i=1;i<5;i++){
```

```
        if(arr[i]> max){
```

```
            max2=max;
```

```
            max= arr[i];
```

```
        }else if(arr[i]>max2){
```

```
            max2 = arr[i];
```

```
        }
```

```
    }
```

```
    printf("Two maximum are = %d,%d", max,max2);
```

```
Q2.c > main()
3  int main(){
9  for( i=1;i<5;i++){
15 }
16
17 }
18 printf("Two maximum are = %d,%d", max,max2);
19
20
21 }
```

```
cd "c:\Users\AJIT\Desktop\Test6\" ; if ($?) { gcc Q2.c -o Q2
} ; if ($?) { .\Q2 }
Two maximum are = 5,4
PS C:\Users\AJIT\Desktop\Test6>
```

```
}
```