HOME TASK 8: -

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SECTION	A

TASK 1: -

```cpp
#include <iostream>
using namespace std;
int main(){
    int n;
    cout<<"enter number of elements in array: "<<endl;
    cin>>n;
    cout<<"enter elements in array: "<<endl;
    int arr[n];
    for(int i=0;i<n;i++){
        cin>>arr[i];
    }
    cout<<"repeated element(s): ";
    for(int i=0;i<n;i++){
        for(int j=i+1;j<n;j++){
            if (arr[i]==arr[j]){
                cout<<arr[j]<<" ";
            }
        }
    }
Return 0;
}
```

```
enter number of elements in array:
5
enter elements in array:
22
33
45
77
22
repeated element(s): 22
--------------------------------
Process exited after 7.312 seconds with return value 0
Press any key to continue . . .
```

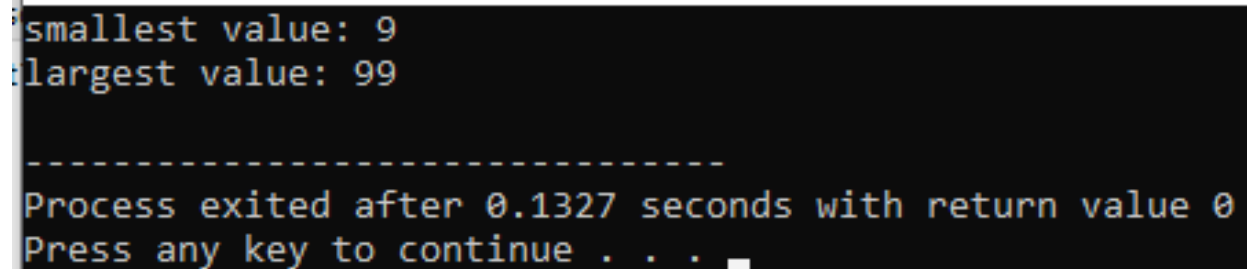## TASK 2: -

```cpp
#include <iostream>
using namespace std;
int main(){
int a[8] = {13, 15, 17, 9, 99, 77, 65, 43};
int small=a[0], large=0;
for(int i=0;i<8;i++){
    if(a[i]>large){
        large=a[i];
  }
    else if(a[i]<small)
        small=a[i];
}

    cout<<"smallest value: "<<small<<endl;
```

```
    cout<<"largest value: "<<large<<endl;

return 0;

}
```

```
smallest value: 9
largest value: 99


--------------------------------
Process exited after 0.1327 seconds with return value 0
Press any key to continue . . . _
```

TASK 3: -

```
#include <iostream>

using namespace std;

int main(){

int arr[5];

cout<<"enter elements in array: ";

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

        cin>>arr[i];

}

int TEMP;

TEMP=arr[1];

arr[1]=arr[3];

arr[3]=TEMP;

cout<<"new array: ";

for(int j=0;j<5;j++){

        cout<<arr[j];
```

```
}

    return 0;

}
```

```
enter elements in array: 4
21
45
66
77
new array: 466452177
--------------------------------
Process exited after 7.954 seconds with return value 0
Press any key to continue . . .
```