

TASK 1

```
#include<iostream>
```

```
using namespace std;
```

```
int main(){  
    cout << "Enter 10 elements of an array:";  
    int a[10],sum1=0,n;  
    for(int i=0;i<=9;i++){  
        cin>>a[i];  
  
    }  
    for(int i=0;i<=9;i++){  
        int sum =0;  
        for(int j=0;j<=9;j++){  
            if (a[i]==a[j]){  
  
                sum = sum + 1;  
            }  
        }  
        if (sum>sum1){  
            sum1 = sum;  
            n = a[i];  
        }  
    }  
    cout <<"The most repeated number is: "<<n;  
}
```

```
/tmp/8NtczLLI3h.o
```

```
Enter 10 elements of an array:1
```

```
2
```

```
3
```

```
2
```

```
4
```

```
2
```

```
4
```

```
55
```

```
6
```

```
6
```

```
7
```

```
The most repeated number is: 2|
```

TASK 2

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int a[8]={1, 5, 3, 9, 15, 11, 2, 8};
```

```
    int x=a[0], y=a[0];
```

```
    for(int i=0; i<8; i++)
```

```
    {
```

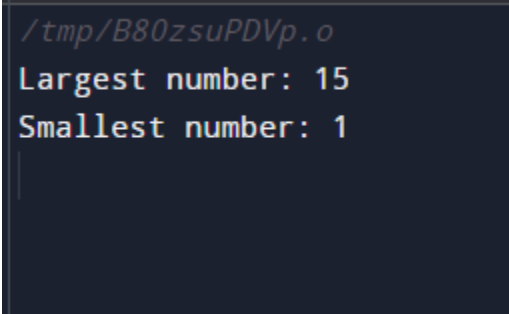
```
        if (a[i]<x)
```

```
        x=a[i];
```

```
        if (a[i]>y)
```

```
        y=a[i];
```

```
}  
  
cout<<"Largest number: "<<y<<endl;  
  
cout<<"Smallest number: "<<x<<endl;  
  
}
```



A terminal window with a dark background. The first line shows a file path: `/tmp/B80zsuPDVp.o`. The second line shows the output: `Largest number: 15`. The third line shows the output: `Smallest number: 1`. There is a vertical cursor on the line following the second output.

TASK 3

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

```
int main(){  
    int a[5],temp;  
    for(int i=0;i<=4;i++){  
        cin>>a[i];  
    }  
    temp = a[2];  
    a[2] = a[4];  
    a[4] = temp;  
    cout << "The array is:"<<endl;  
    for(int i=0;i<=4;i++){  
        cout << ","<<a[i];  
    }  
}
```

```
}
```

```
/tmp/uihBwTXBHu.o
```

```
1
```

```
2
```

```
3
```

```
4
```

```
5
```

```
The array is:
```

```
,1,2,5,4,3|
```