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# LAB REPORT

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Fundamental Of PROGRAMMING



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## TASK:01

```
int i,j,a[10];
int mr = a[0];
int k=0, x, y=1;
cout << "Enter the elements: " << endl;
for(i=0;i<10;i++)
    cin >> a[i];
for (i=0;i<10;i++)
{
    x = 0;
    k=a[i];
    x++;
    for(j=i+1;j<10;j++)
    {
        if(a[j] == k)
        {
            x++;
            if(x > y)
            {
                mr = k;
                y = x;
            }
        }
    }
}
cout << "Most occurred element is: " << mr;
```

```
Enter the elements:
4
6
7
8
934
2
4
7

76
75
Most occurred element is: 4
-----
Process exited after 20.73 seconds with return value 0
Press any key to continue . . .
```

## TASK:02

```

int values[10];
int small, big;
big=small=values[0];

for(int i=0; i<10; i++)
{
    cout<<"Enter value : ";
    cin>>values[i];
}
for(int i=0; i<10; i++)
{
    if(values[i]>big)
    {
        big=values[i];
    }
}
for(int i=0; i<10; i++)
{
    if(values[i]<small)
    {
        small=values[i];
    }
}
cout<<"The biggest number is "<<big<<endl;
cout<<"The smallest number is "<< small<<endl;

```

```

Enter value : 3
Enter value : 4
Enter value : 5
Enter value : 67
Enter value : 45
Enter value : 34
Enter value : 34
Enter value : 322
Enter value : 33
Enter value : 2
The biggest number is 322

```

### TASK:03

```
//TASK:03
int array[5];
int temp;
cout<<"Enter any 5 elements of array :"<<endl;

for(int i=0; i<5 ; i++){
    cin>>array[i];
}
cout<<"the array is "<<endl;
for(int i=0; i<5 ; i++){
    cout<<array[i]<<" ";
}
cout<<endl;
temp=array[3];
array[3]= array[1];
array[1]=temp;
cout<<"The array after swiping 2nd element with the 4th is :";
for(int i=0; i<5 ; i++){
    cout<<array[i]<<" ";
}
}
```

```
Enter any 5 elements of array :
4
7
12
22
36
the array is
4 7 12 22 36
The array after swiping 2nd element with the 4th is :4 22 12 7 36
-----
Process exited after 16.4 seconds with return value 0
Press any key to continue . . .
```