



LAB MANUAL:08

Fundamental of programming



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LAB WORK:

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NUST SMME

TASK:01

```
int n,sum;
float average;
cout<<" enter number n"<<endl;
cin>>n;

int a[n];
cout<<" enter  "<<n<<" values of array"<<endl;

for( int i=0;i<n;i++)
{
    cin>>a[i];
}
for( int i=0;i<n;i++)
{
    sum=sum+a[i];
}
average=sum/n;

cout<<" average is "<<average<<endl;
```

```
enter number n
3
enter 3 values of array
5
6
7
average is 6

-----
Process exited after 4.774 seconds with return value 0
Press any key to continue . . .
```

TASK:02

```

// task:02
int n,x;
cout<<" enter number of value of n"<<endl;
cin>>n;

int ar[n];
cout<<"enter value in array"<<endl;

for( int i=0;i<n;i++)
{
    cin>>ar[i];
}
for( int j=0;j<n;j++)
{
    for(int k=0;k<n-1;k++){
        if( ar[k]>ar[k+1])
        {
            x=ar[k];
            ar[k]=ar[k+1];
            ar[k+1]=x;
        }
    }
}
for(int i=0;i<n;i++)
{cout<<ar[i]<<" ";
}
}

```

```

enter number of value of n
5
enter value in array
2
5
7
9
3
2 3 5 7 9
-----
Process exited after 20.56 seconds with return value 0
Press any key to continue . . .

```

TASK:03

```
// task:03
```

```
int n,x;
cout<<" enter number of value of n"<<endl;
cin>>n;

int ar[n];
cout<<"enter value in array"<<endl;

for( int i=0;i<n;i++)
{
    cin>>ar[i];
}
for( int j=0;j<n;j++)
{
    for(int k=j+1;k<n;k++){
        if( ar[j]>ar[k])
        {
            x=ar[j];
            ar[j]=ar[k];
            ar[k]=x;
        }
    }
}
for(int i=0;i<n;i++)
{cout<<ar[i]<<" ";
}
```

```
enter number of value of n
5
enter value in array
12
2
3
4
5
2 3 4 5 12
-----
Process exited after 8.88 seconds with return value 0
Press any key to continue . . .
```