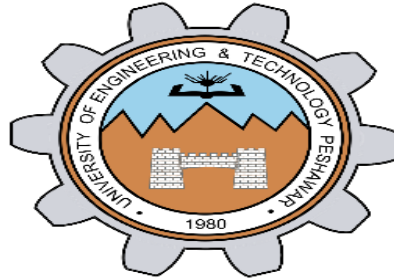


LAB REPORT NO 5



Spring 2020

CSE102L Computer Programming Lab

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“On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work.”

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Submitted to:

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1. Write a program to input twelve numbers from user using array and display all values on console (3 values in a row) (use separate loops for input and output operation).

SAMPLE OUTPUT:

Value 1=?? Value 2=?? Value 3=??

Value 4=?? Value 5=?? Value 6=??

Value 7=?? Value 8=?? Value 9=??

Value 10=?? Value 11=?? Value 12=??

```
#include<iostream>
using namespace std;
main(){
```

```
int z[13];
```

```
for (int i=1; i<13; i++)
{
    cin>>z[i];
}
```

```
cout<<"    VALUE OF ENTER ARRAY IN FOUR LINES:    \n"<<endl;
```

```
for (int i=1; i<4; i++){
```

```
    cout<<"value "<<i<<" = "<<z[i]<<" ";
}
cout<<"\n\n\n";
```

```
for (int i=4; i<7; i++)
{
```

```

        cout<<"value "<<i<<" = "<<z[i]<<" ";
    }
    cout<<"\n\n\n";

```

```

    for (int i=7; i<10; i++)
    {

        cout<<"value "<<i<<" = "<<z[i]<<" ";
    }
    cout<<"\n\n\n";

```

```

    for (int i=10; i<13; i++)
    {

        cout<<"value "<<i<<" = "<<z[i]<<" ";
    }
    cout<<"\n";

```

```

    return 0;
}

```

2. Write a program to input ten numbers from user using array and find the average of numbers (use separate loops for input operation and calculation).

```

#include<iostream>

using namespace std;

main(){

```

```
int x[10];
```

```
int sum=0;
```

```
int averg;
```

```
cout<<"ENTER an array consist of 10 element :"<<endl;
```

```
for (int i=0; i<10; i++)
```

```
{
```

```
    cin>>x[i];
```

```
    sum=sum+x[i];
```

```
}
```

```
{
```

```
    cout<<"Average of array is "<<sum<<" /10 = "<<sum/10<<endl;
```

```
}
```

```
return 0;
```

```
}
```

3. Write a program to input multiple values from user using array and find the maximum (use separate loops for input operation and calculation).

```
#include<iostream>

using namespace std;

main(){

int z[5];

int maxi=z[5];

cout<<"ENTER ARRAY OF 5 ELEMENT:"<<endl;

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

{

cin>>z[i];

        if(z[i]>maxi)

{
```

```
        maxi=z[i];  
    }  
}  
  
cout<<" \nGreater number in array is : ";  
  
cout<<maxi;  
  
  
  
return 0;  
  
}
```

4. Write a program to input two arrays from user and find the sum of arrays (element by element).

```
#include<iostream>  
  
using namespace std;  
  
main(){  
  
  
  
  
int x[10];  
  
int y[10];  
  
int sum[10];
```

```
cout<<"\nEnter first array"<<endl;
```

```
for (int i=0; i<10; i++)
```

```
    cin>>x[i];
```

```
cout<<"\nEnter second array"<<endl;
```

```
for (int i=0; i<10; i++)
```

```
    cin>>y[i];
```

```
cout<<"\nSum of both the array is "<<endl;
```

```
for (int i=0; i<10; i++)
```

```
{
```

```
    sum[i]=x[i]+y[i];
```

```
    cout<<"\t"<<sum[i]<<endl;
```

```
}
```

```
return 0;
```

```
}
```

5. Write a program to input array from user and display the elements of array in reverse order (use separate loops for input and output operation).

SAMPLE OUTPUT:

Input = 1, 2, 3, 4, 5

Output = 5, 4, 3, 2, 1

```
#include<iostream>
using namespace std;
main(){

int x[5];


cout<<"ENTER array"<<endl;


for(int a=0; a<5; a++)
    cin>>x[a];


cout<<"Array in order "<<endl;
```



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

    cout<<x[i]<<" ";

}

cout<<"\nArray in reverse order "<<endl;


for (int j=4; j>=0; j--)
{

    cout<<x[j]<<" ";

}

return 0;


}
```

- 6. Write a program to input multiple values from user using array and then ask user to input a key number and then compare it with values entered by user(for array) and then display the index number of array with which value get matched (use seperate loops for input operation and calculation) (use different loops for input operation and calculation).**

```
#include<iostream>
using namespace std;
main()
{

int x[5];
int keyvalue;

cout<<"ENTER 5 element array"<<endl;

for(int a=0; a<5; a++)
```

```
{  
    cin>>x[a];  
}
```

```
cout<<"\n Enter a key number :";  
cin>>keyvalue;
```

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

```
    if (x[i]==keyvalue)  
    {
```

```
        cout<<"\n\n Index number of array with compare to key value is ["<<i<<"]"<<endl;
```

```
    }
```

```
else {}
```

```
    cout<<" \n Wrong key number enter.....";
```

```
    return 0;
```

```
}
```