

Fundamentals of Programming

Lab Task #8



Name	Muhammad Abdullah Qureshi
Roll No	456523
Batch	ME-15
Sec	A

Name: **Muhammad Abdullah Qureshi**
Roll No: **456523**
Batch: **ME-15 Section A**
Lab Task - 5 (Programming Fundamentals)

Task # 1:

```
#include<iostream>

using namespace std;

int main(){

    int size, sum=0, avg=0;

    cout<<"Enter Number of Elements of the Array:";

    cin>>size;

    int arr[size];

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

        cout<<"Input Value: ";

        cin>>arr[i];

        sum += arr[i];

    }

    avg=sum/size;

    cout<<"The Average is: "<<avg;

    return 0;

}
```

```
Enter Number of Elements of the Array:5
Input Value: 32
Input Value: 56
Input Value: 213
Input Value: 53
Input Value: 32
The Average is: 77
-----
Process exited after 4.483 seconds with return value 0
Press any key to continue . . .
```

Name: **Muhammad Abdullah Qureshi**
Roll No: **456523**
Batch: **ME-15 Section A**
Lab Task - 5 (Programming Fundamentals)

Task # 2:

```
#include<iostream>

using namespace std;

int main(){

    int arr[5];

    int temp, i,j;

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

        cout<<"Enter a Value: ";

        cin>>arr[i];

    }

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

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

            if(arr[j]>arr[j+1]){

                temp=arr[j+1];

                arr[j+1]=arr[j];

                arr[j]=temp;

            }

        }

    }

    for(i=0; i<4; i++){

        cout<<arr[i]<<" ";

    }

    cout<<arr[4];

}
```

Name: **Muhammad Abdullah Qureshi**
Roll No: **456523**
Batch: **ME-15 Section A**
Lab Task - 5 (Programming Fundamentals)

```
Enter a Value: 45
Enter a Value: 32
Enter a Value: 54
Enter a Value: 21
Enter a Value: 6
6, 21, 32, 45, 54
-----
Process exited after 4.096 seconds with return value 0
Press any key to continue . . .
```

Task #3:

```
#include<iostream>

using namespace std;
```

```
int main(){

    int arr[5];

    int i,j, temp;

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

        cout<<"Enter a Value: ";

        cin>>arr[i];

    }

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

        for(j=i; j<5; j++){

            if(arr[i]>arr[j]){

                temp=arr[i];

                arr[i]=arr[j];

                arr[j]=temp;

            }

        }

    }

}
```

Name: **Muhammad Abdullah Qureshi**
Roll No: **456523**
Batch: **ME-15 Section A**
Lab Task - 5 (Programming Fundamentals)

```
for(i=0; i<4; i++){  
    cout<<arr[i]<<" ";  
    }  
cout<<arr[4];  
}
```

```
Enter a Value: 56  
Enter a Value: 423  
Enter a Value: 6  
Enter a Value: 44  
Enter a Value: 22  
6, 22, 44, 56, 423  
-----  
Process exited after 8.035 seconds with return value 0  
Press any key to continue . . .
```