



## Operating System

### Lab Report

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# Vi Editor in Ubuntu

## Objective

To learn and practice the use of vi Editor of Ubuntu.

## Software Tool

1. Ubuntu Terminal
2. Screenshot

## 1 Theory

This lab-task was given by Instructor to perform following programs (in Any Programming Language) on the Vi Editor of Ubuntu. I performed these Programs in C language and Attached the result as Screenshot.

## 2 Task

- a) Defining Variable x with value 10 & printing on screen.

## Source

[illegible]

Result
--------

```
abdullah@abdullah-Aspire-1830: ~/Desktop/Lab Report-AYK
File Edit View Search Terminal Help
abdullah@abdullah-Aspire-1830:~$ cd /home/abdullah/Desktop/"Lab Report-AYK"
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$ vi AsfandYar.c
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$ gcc AsfandYar.c
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$ ls
1.png a.out AsfandYar.c
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$ ./a.out
Value of X is 10abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$
```

b) Defining Variable XN with value "Lab\_02" & printing on screen.

#### Source

```
abdullah@abdullah-Aspire-1830: ~/Desktop/Lab Report-AVK
File Edit View Search Terminal Help
#include<stdio.h>

void main()
{
char xn[15] = "Lab_02";
printf("Value of xn is %s",xn);
}
```

#### Result

```
abdullah@abdullah-Aspire-1830: ~/Desktop/Lab Report-AVK
File Edit View Search Terminal Help
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AVK$ vi AsfandVar.c
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AVK$ gcc AsfandVar.c
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AVK$ ./a.out
Value of xn is Lab_02abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AVK$
```

c) Printing Sum of two numbers; 6 & 3.

#### Source

```
abdullah@abdullah-Aspire-1830: ~/Desktop/Lab Report-AVK
File Edit View Search Terminal Help
#include<stdio.h>

void main()
{
int x=6;
int y=3;
printf("Sum of X and Y is %d",x+y);
}

~
:wq
```

#### Result

```
abdullah@abdullah-Aspire-1830: ~/Desktop/Lab Report-AVK
File Edit View Search Terminal Help
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AVK$ vi AsfandVar.c
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AVK$ gcc AsfandVar.c
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AVK$ ./a.out
Sum of X and Y is 9abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AVK$
```

d) Division of two numbers; 20, 5.

## Source

```
abdullah@abdullah-Aspire-1830: ~/Desktop/Lab Report-AYK
File Edit View Search Terminal Help

#include<stdio.h>

void main()
{
int x=20;
int y=5;
printf("Division Result is %d",x/y);
}

~
:wq
```

## Result

```
abdullah@abdullah-Aspire-1830: ~/Desktop/Lab Report-AYK
File Edit View Search Terminal Help

abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$ vi AsfandYar.c
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$ gcc AsfandYar.c
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$ ./a.out
Division Result is 4abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$
```

e) Table of 2.

```
abdullah@abdullah-Aspire-1830: ~/Desktop/Lab Report-AYK
File Edit View Search Terminal Help

#include<stdio.h>

void main()
{
int n=2;
int i;

for(i=1; i<=10; i++){
printf("%d * %d = %d\n",n,i,n*i);
}
}

~
:wq
```

```
abdullah@abdullah-Aspire-1830: ~/Desktop/Lab Report-AYK
File Edit View Search Terminal Help

abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$ vi AsfandYar.c
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$ gcc AsfandYar.c
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$ ./a.out
2 * 1 = 2
2 * 2 = 4
2 * 3 = 6
2 * 4 = 8
2 * 5 = 10
2 * 6 = 12
2 * 7 = 14
2 * 8 = 16
2 * 9 = 18
2 * 10 = 20
abdullah@abdullah-Aspire-1830:~/Desktop/Lab Report-AYK$
```