LAB REPORT NO 5

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Registration No: - **19PWCSE1801**

Class Section: A

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

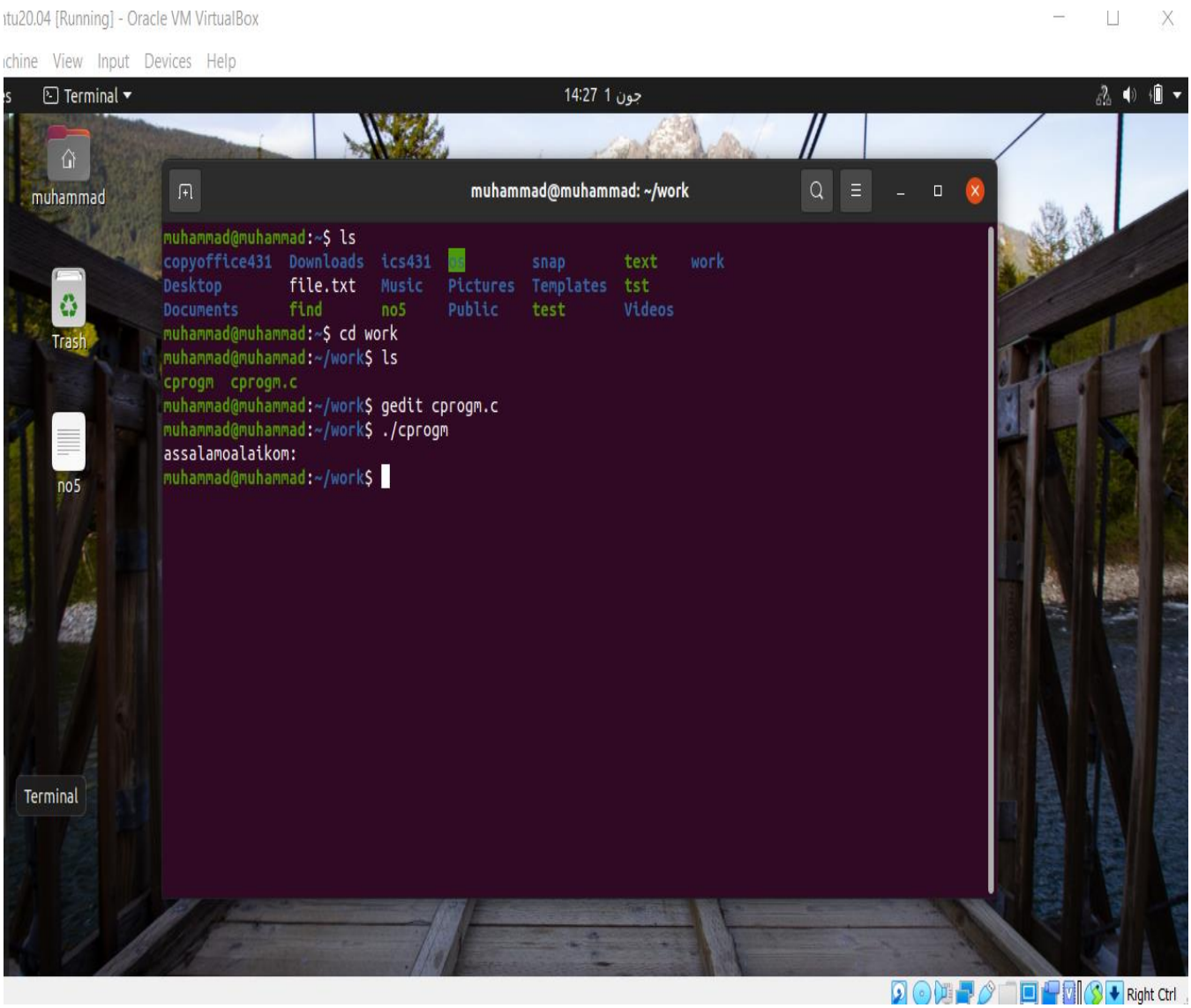
Submitted to:

Engr. Mian Ibad Ali shah

Data:(03,06,2021)

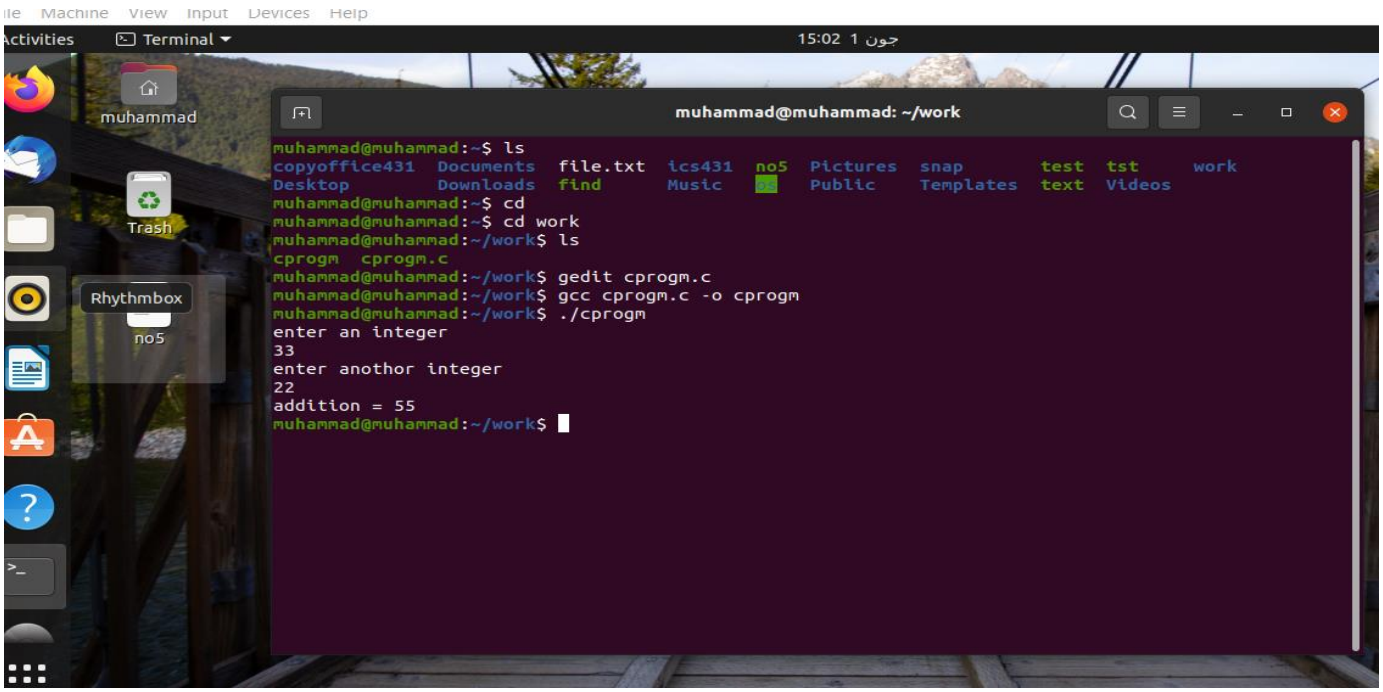
Department of Computer Systems Engineering

University of Engineering and Technology, Peshawar


tu20.04 [Running] - Oracle VM VirtualBox
chine View Input Devices Help
Terminal
14:27 1 جون
muhammad
Trash
no5
Terminal
muhammad@muhammad: ~/work
muhammad@muhammad:~$ ls
copyoffice431 Downloads ics431 os snap text work
Desktop file.txt Music Pictures Templates tst
Documents find no5 Public test Videos
muhammad@muhammad:~$ cd work
muhammad@muhammad:~/work$ ls
cprogm cprogm.c
muhammad@muhammad:~/work$ gedit cprogm.c
muhammad@muhammad:~/work$ ./cprogm
assalamoalaikom:
muhammad@muhammad:~/work$
Right Ctrl

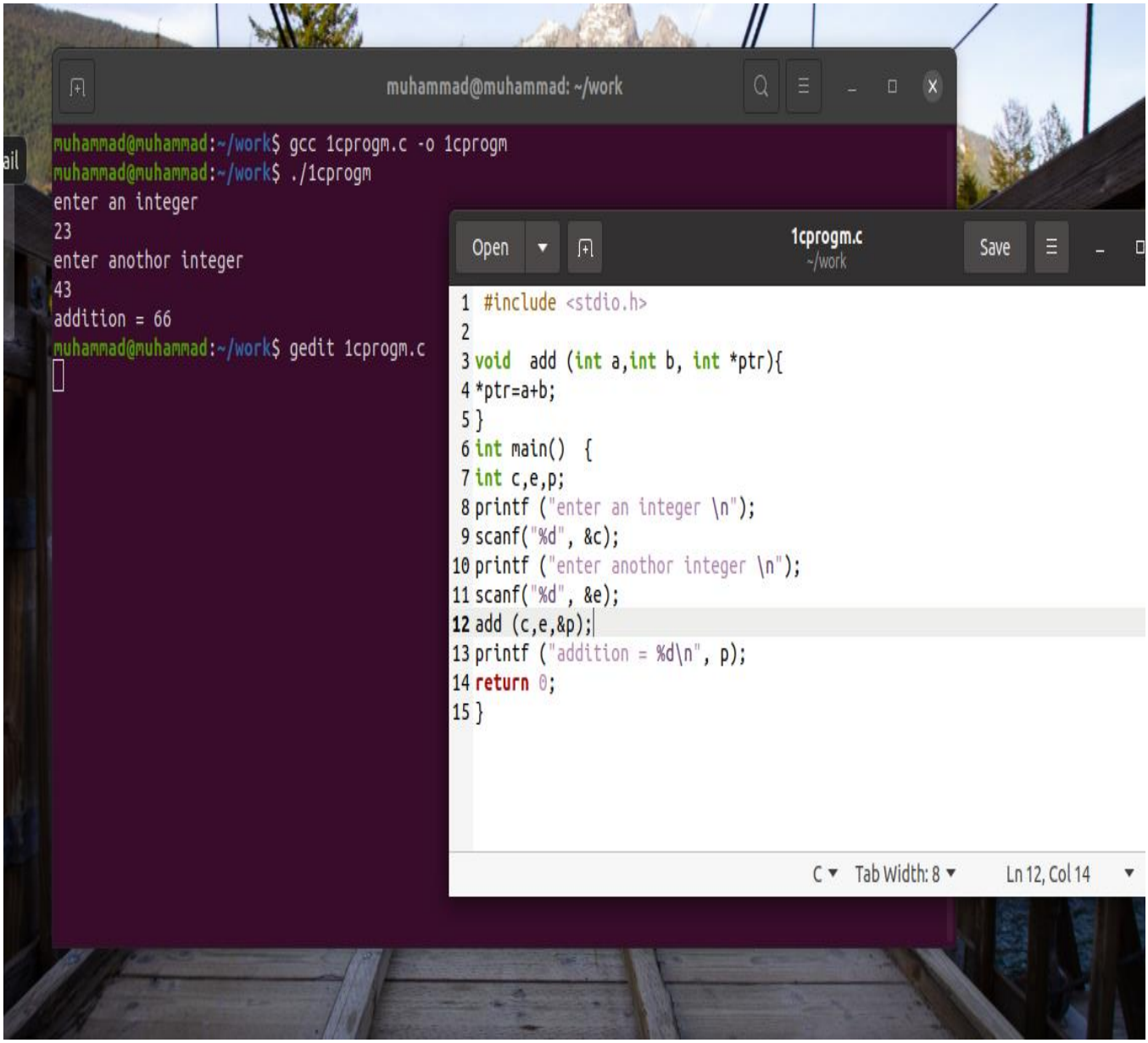
Addition code: -

```
#include <stdio.h>


int  add (int a,int b){
return a+b;
}
int main()  {
int c,e;
printf ("enter an integer \n");
scanf("%d", &c);
printf ("enter anothor integer \n");
scanf("%d", &e);
printf ("addition = %d\n", add (c,e));
return 0;
}
```

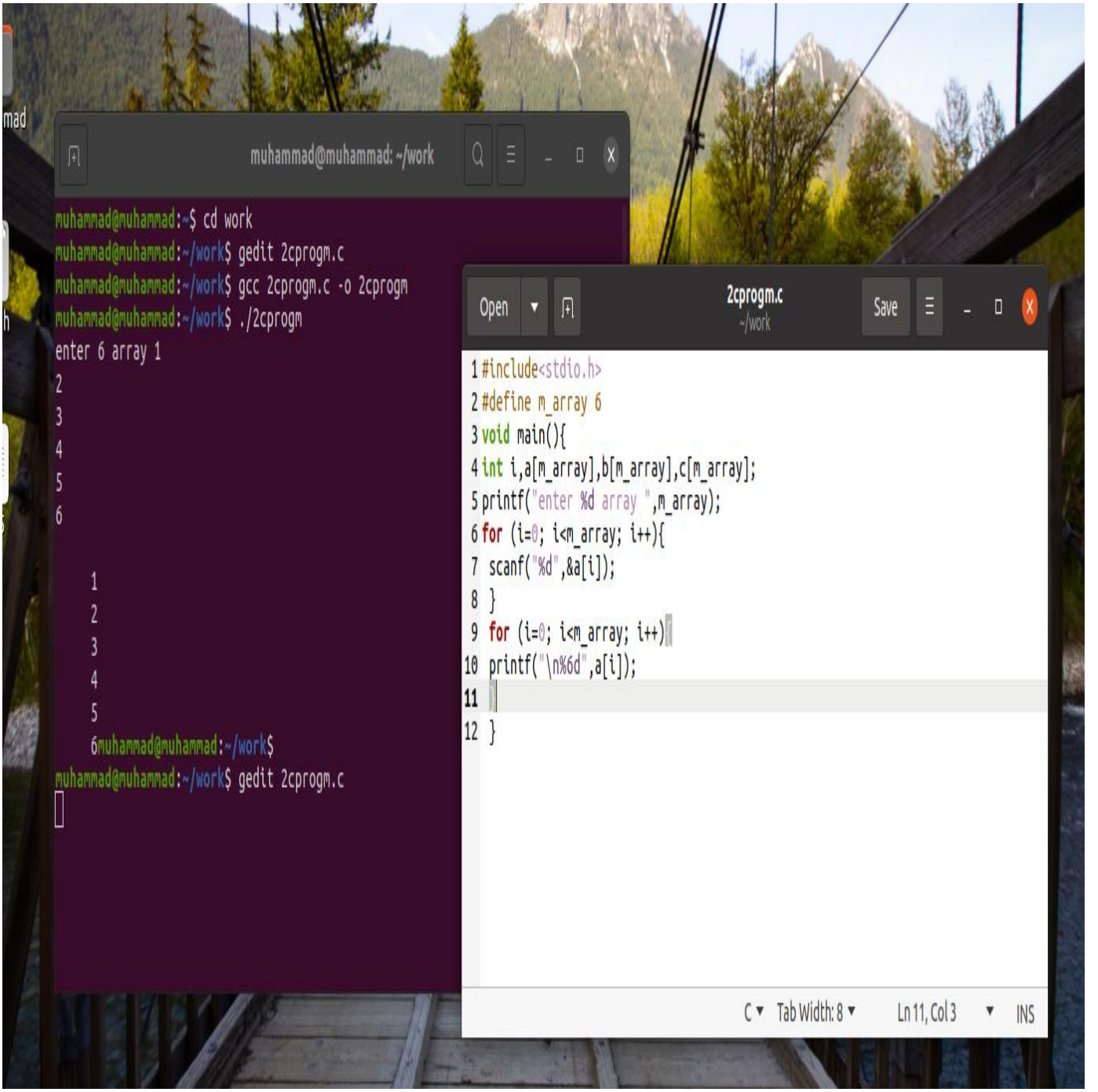


Addition code: -

```
#include <stdio.h>


void  add (int a,int b, int *ptr){
*ptr=a+b;
}
int main()  {
int c,e,p;
printf ("enter an integer \n");
scanf("%d", &c);
printf ("enter anothor integer \n");
scanf("%d", &e);
add (c,e,&p);
printf ("addition = %d\n", p);
return 0;
}
```

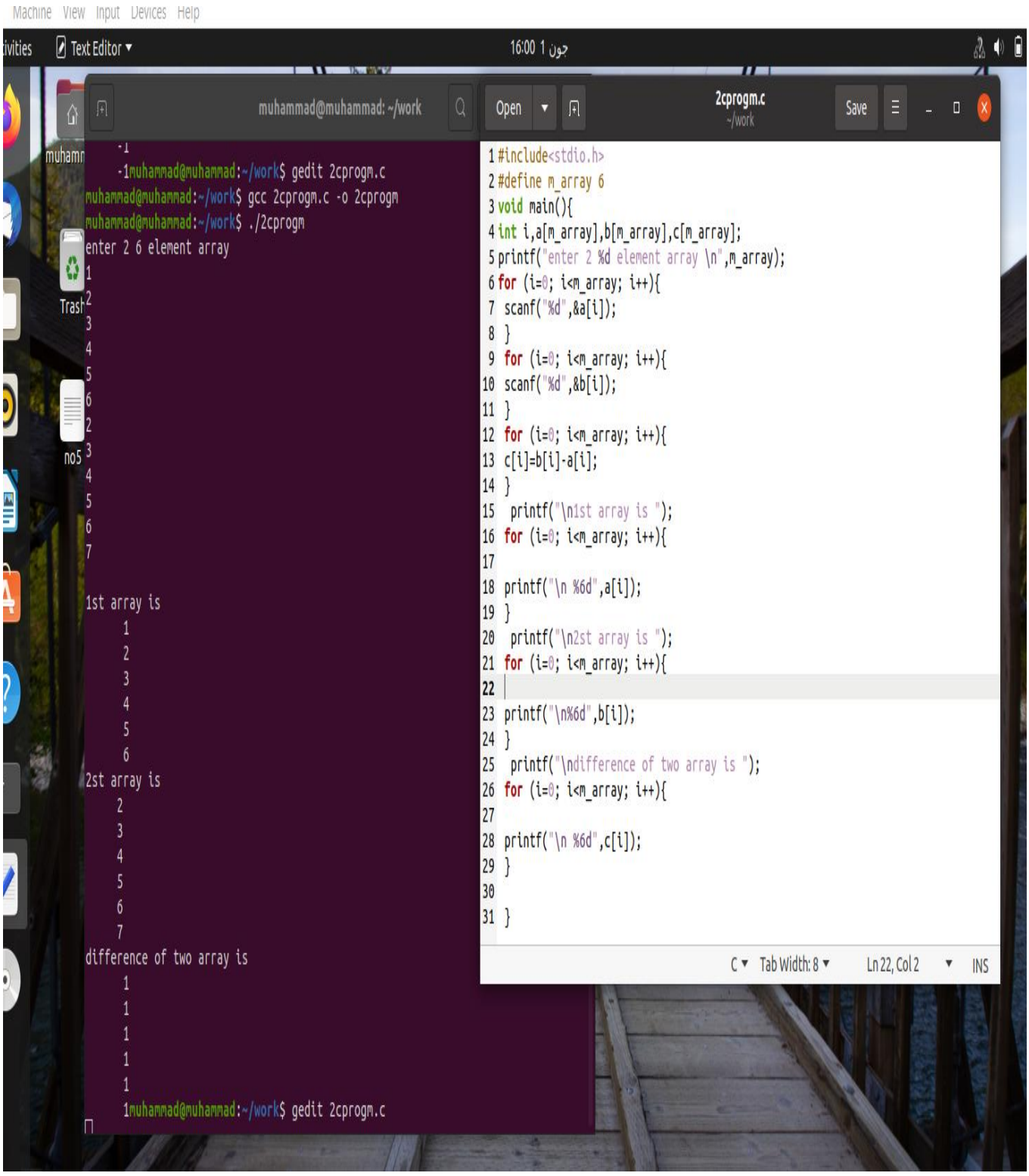

muhammad@muhammad: ~/work
muhammad@muhammad:~/work$ gcc 1cprogm.c -o 1cprogm
muhammad@muhammad:~/work$ ./1cprogm
enter an integer
23
enter anothor integer
43
addition = 66
muhammad@muhammad:~/work$ gedit 1cprogm.c
Open
1cprogm.c
~/work
Save
1 #include <stdio.h>
2
3 void add (int a,int b, int *ptr){
4 *ptr=a+b;
5 }
6 int main() {
7 int c,e,p;
8 printf ("enter an integer \n");
9 scanf("%d", &c);
10 printf ("enter anothor integer \n");
11 scanf("%d", &e);
12 add (c,e,&p);
13 printf ("addition = %d\n", p);
14 return 0;
15 }
C
Tab Width: 8
Ln 12, Col 14

Simple array: -



Subtraction of two array:-

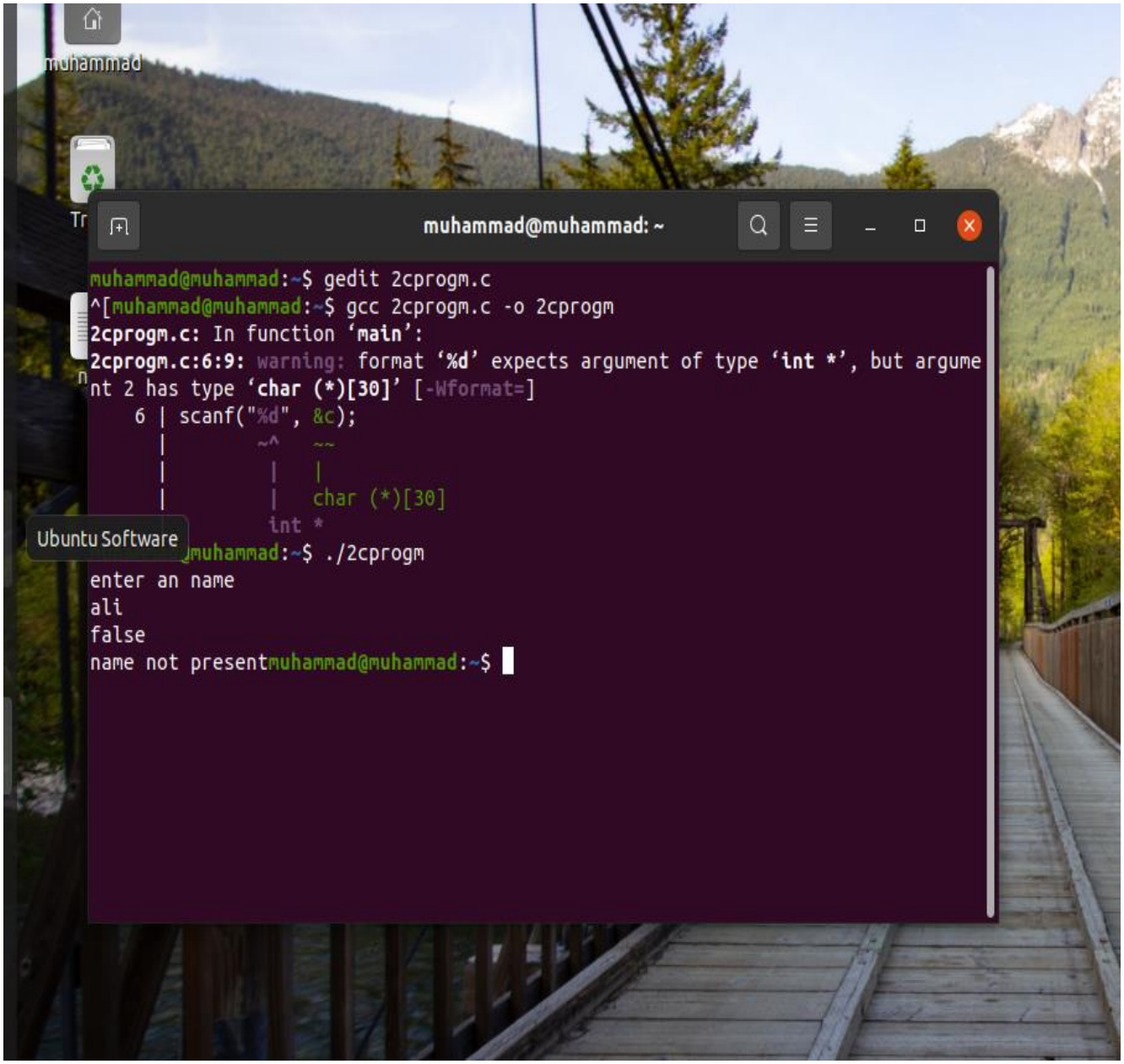
```
#include<stdio.h>
#define m_array 6
void main(){
int i,a[m_array],b[m_array],c[m_array];
printf("enter 2 %d element array \n",m_array);
for (i=0; i<m_array; i++){
 scanf("%d",&a[i]);
 }
 for (i=0; i<m_array; i++){
 scanf("%d",&b[i]);
 }
 for (i=0; i<m_array; i++){
 c[i]=b[i]-a[i];
 }
  printf("\n1st array is ");
 for (i=0; i<m_array; i++){

 printf("\n %6d",a[i]);
 }
  printf("\n2st array is ");
 for (i=0; i<m_array; i++){

 printf("\n%6d",b[i]);
 }
  printf("\ndifference of two array is ");
 for (i=0; i<m_array; i++){
 printf("\n %6d",c[i]);
 }
 }
```


Machine View Input Devices Help
Text Editor
muhammad@muhammad: ~/work
Open
2cprogm.c
~/work
Save
muhammad@muhammad:~/work$ gedit 2cprogm.c
muhammad@muhammad:~/work$ gcc 2cprogm.c -o 2cprogm
muhammad@muhammad:~/work$ ./2cprogm
enter 2 6 element array
1st array is
2st array is
difference of two array is
muhammad@muhammad:~/work$ gedit 2cprogm.c
#include<stdio.h>
#define m_array 6
void main(){
int i,a[m_array],b[m_array],c[m_array];
printf("enter 2 %d element array \n",m_array);
for (i=0; i<m_array; i++){
scanf("%d",&a[i]);
}
for (i=0; i<m_array; i++){
scanf("%d",&b[i]);
}
for (i=0; i<m_array; i++){
c[i]=b[i]-a[i];
}
printf("\n1st array is ");
for (i=0; i<m_array; i++){
printf("\n %6d",a[i]);
}
printf("\n2st array is ");
for (i=0; i<m_array; i++){
printf("\n%6d",b[i]);
}
printf("\ndifference of two array is ");
for (i=0; i<m_array; i++){
printf("\n %6d",c[i]);
}
}
C
Tab Width: 8
Ln 22, Col 2
INS

Link list: -

```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

typedef struct list{
   char data[50];
  struct list* next;

}list;
typedef enum{ false=0, true}boolean;
void add(list*,char*);
boolean search(list*, char *);



 int main()
{
    struct list* first;
    struct list *second;
    struct list *third;



   first=(struct list*)malloc(sizeof(struct list));
   second=(struct list*)malloc(sizeof(struct list));
   third=(struct list*)malloc(sizeof(struct list));

   first->data[50]="li";
   first->next=second;
```

```
  second->data[50]="khan";
  second->next=second;



  third->data[50]="Muhammad";
  third->next=NULL;
add(third,first);
}
void add(list* next,char* newnam){
    struct list* newname ;

  newname=(struct list*)malloc(sizeof(struct list));

   newname->data[50]="ammad";
  newname->next=NULL;
while( newnam=!NULL){

      printf("%d element",newnam->data);
      newnam=newnam->next;
   }

}
boolean search(list* a, char * b){
       return true=1;false=0;

}
```


muhammad
muhammad@muhammad: ~
muhammad@muhammad:~$ gedit 2cprogm.c
^[muhammad@muhammad:~$ gcc 2cprogm.c -o 2cprogm
2cprogm.c: In function ‘main’:
2cprogm.c:6:9: warning: format ‘%d’ expects argument of type ‘int *’, but argume
nt 2 has type ‘char (*)[30]’ [-Wformat=]
6 | scanf("%d", &c);
| ~^ ~~
| | |
| | char (*)[30]
| int *
muhammad:~$ ./2cprogm
enter an name
ali
false
name not presentmuhammad@muhammad:~$
Ubuntu Software