HAMMAD MURTAZA

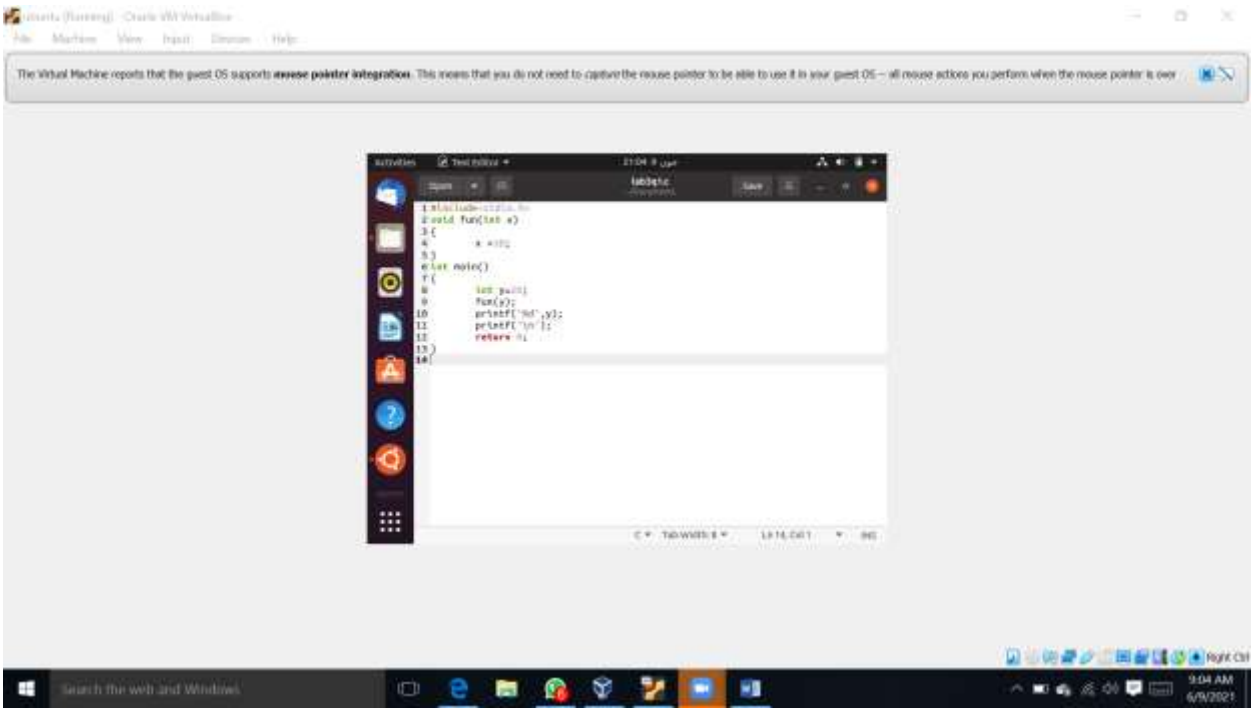
SID: 11146

CID: 107241

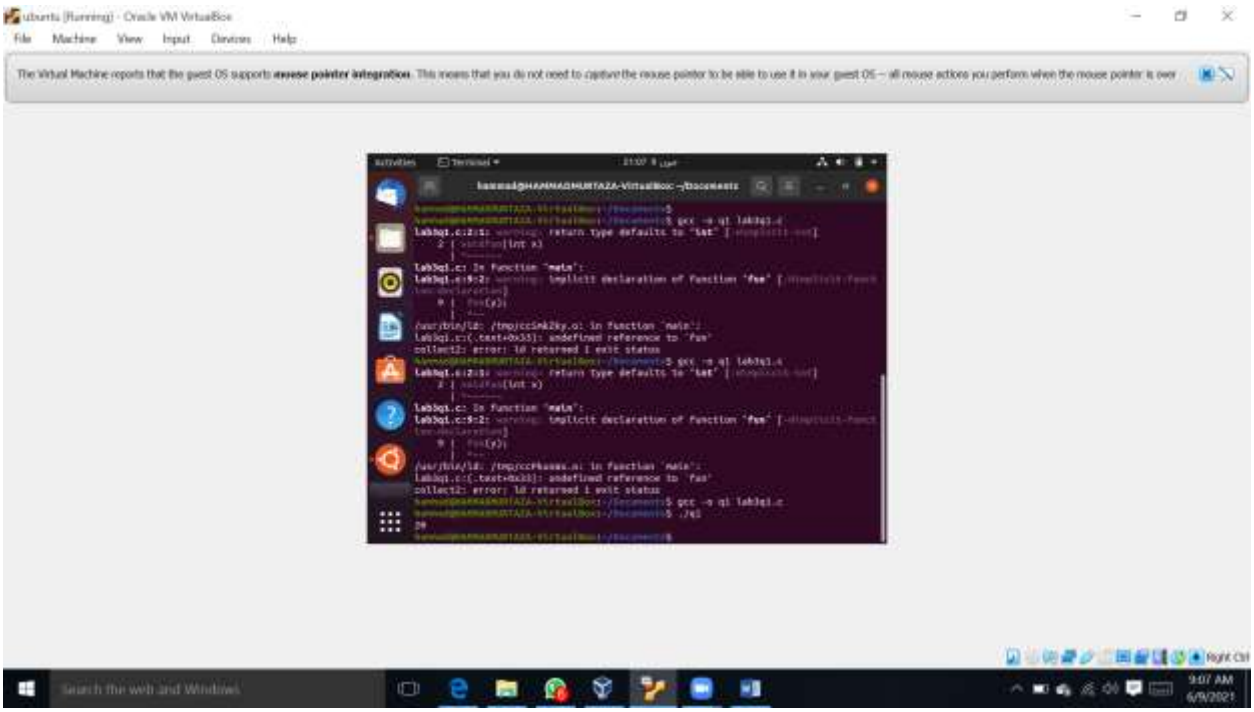
OS LAB 3

Q1:

CODE:



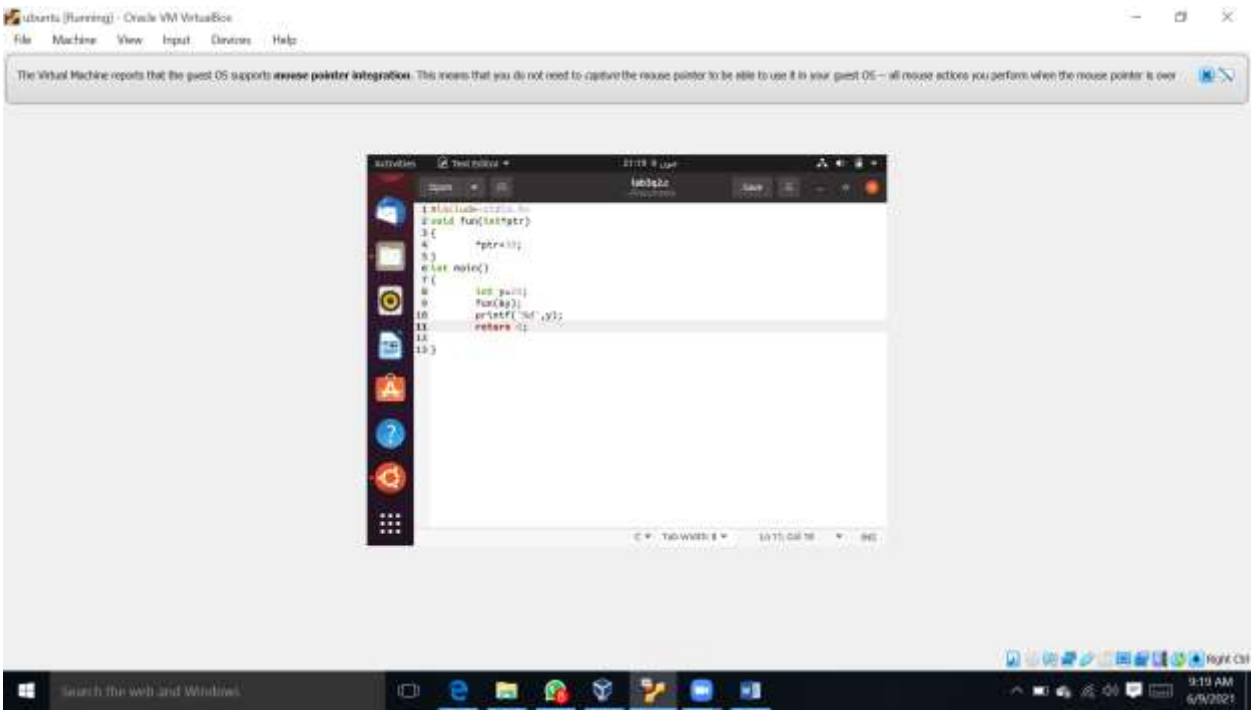
OUTPUT:



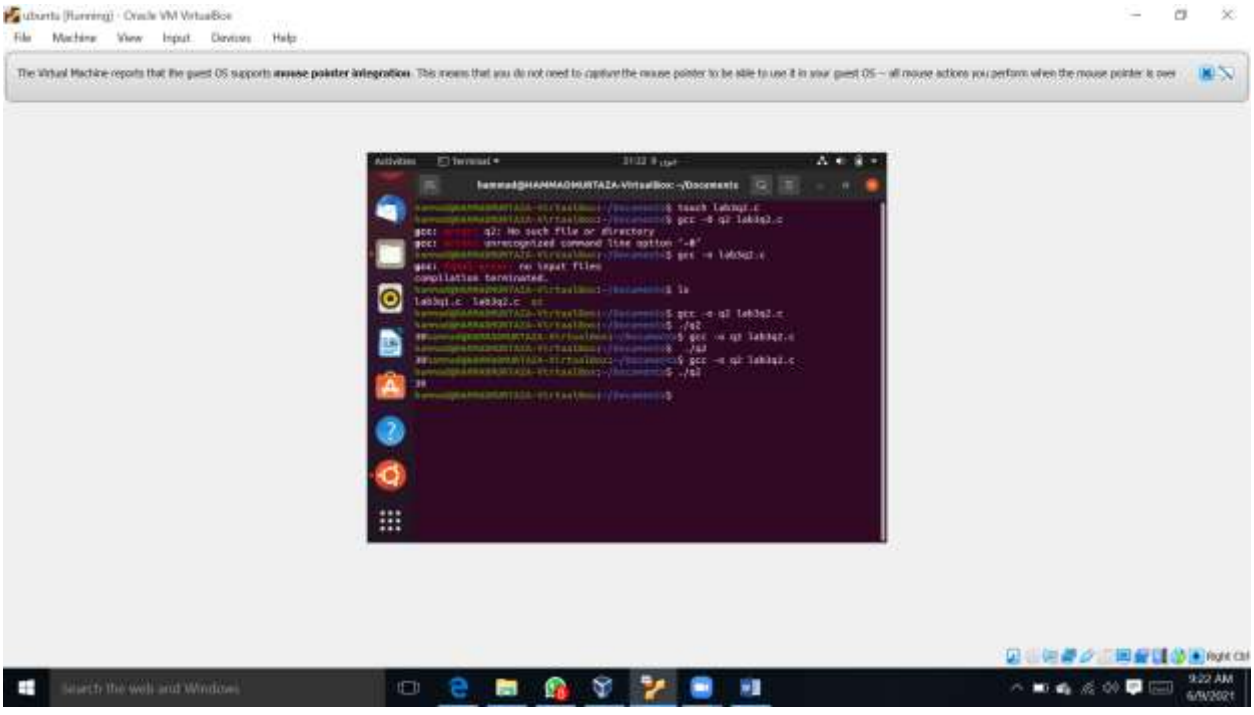
```
collect2: error: ld returned 1 exit status
hammad@HAMMADMURTAZA-VirtualBox:~/Documents$ gcc -o q1 lab3q1.c
hammad@HAMMADMURTAZA-VirtualBox:~/Documents$ ./q1
20
hammad@HAMMADMURTAZA-VirtualBox:~/Documents$
```

Q2:

CODE:


ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
The Virtual Machine reports that the guest OS supports mouse pointer integration. This means that you do not need to capture the mouse pointer to be able to use it in your guest OS -- all mouse actions you perform when the mouse pointer is over
Activities
lab3q2.c
Search the web and Windows

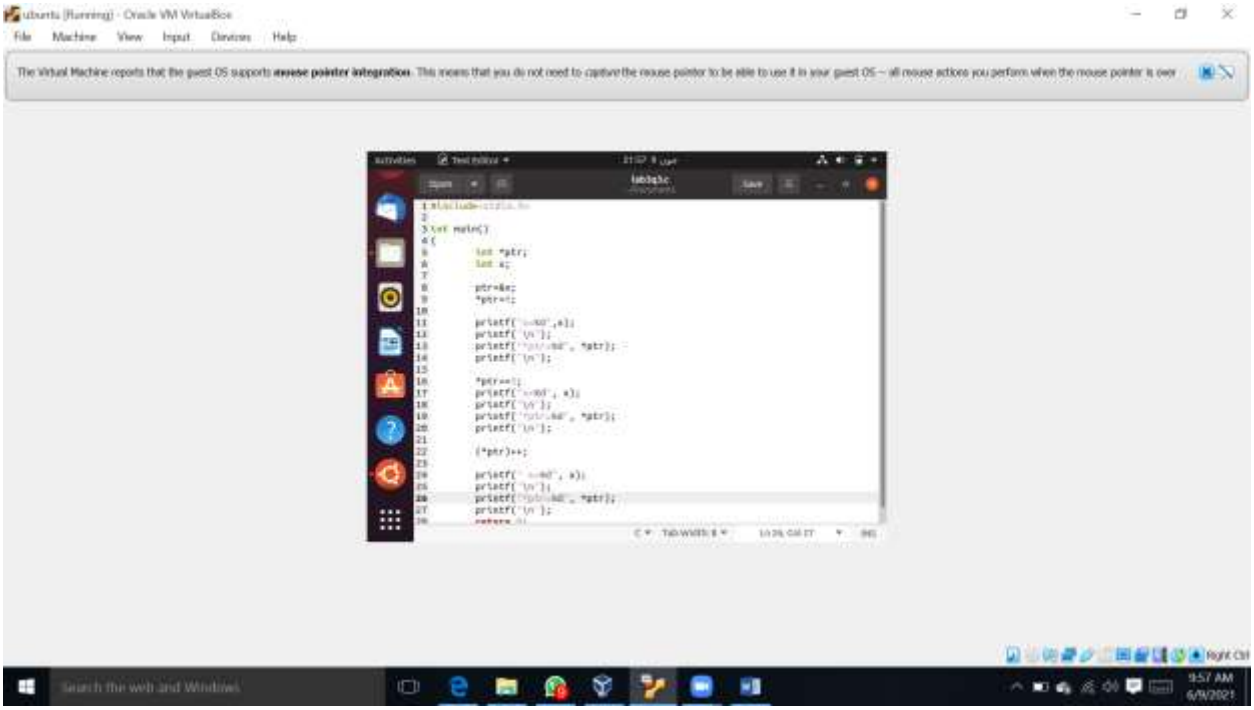
OUTPUT:

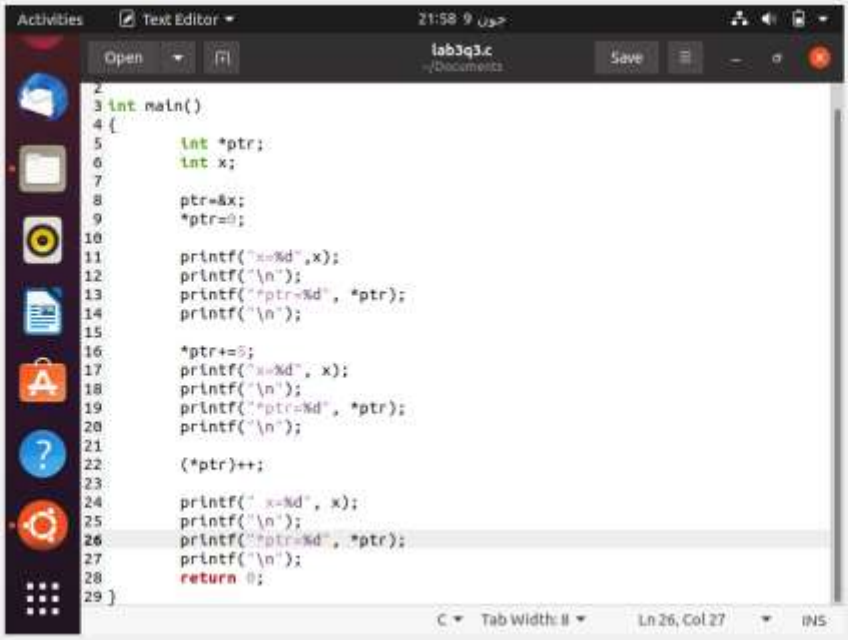

ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
The Virtual Machine reports that the guest OS supports mouse pointer integration. This means that you do not need to capture the mouse pointer to be able to use it in your guest OS -- all mouse actions you perform when the mouse pointer is over
Activities
Search the web and Windows

```
30hammad@HAMMADMURTAZA-VirtualBox:~/Documents$ gcc -o q2 lab3q2.c
hammad@HAMMADMURTAZA-VirtualBox:~/Documents$ ./q2
30
hammad@HAMMADMURTAZA-VirtualBox:~/Documents$
```

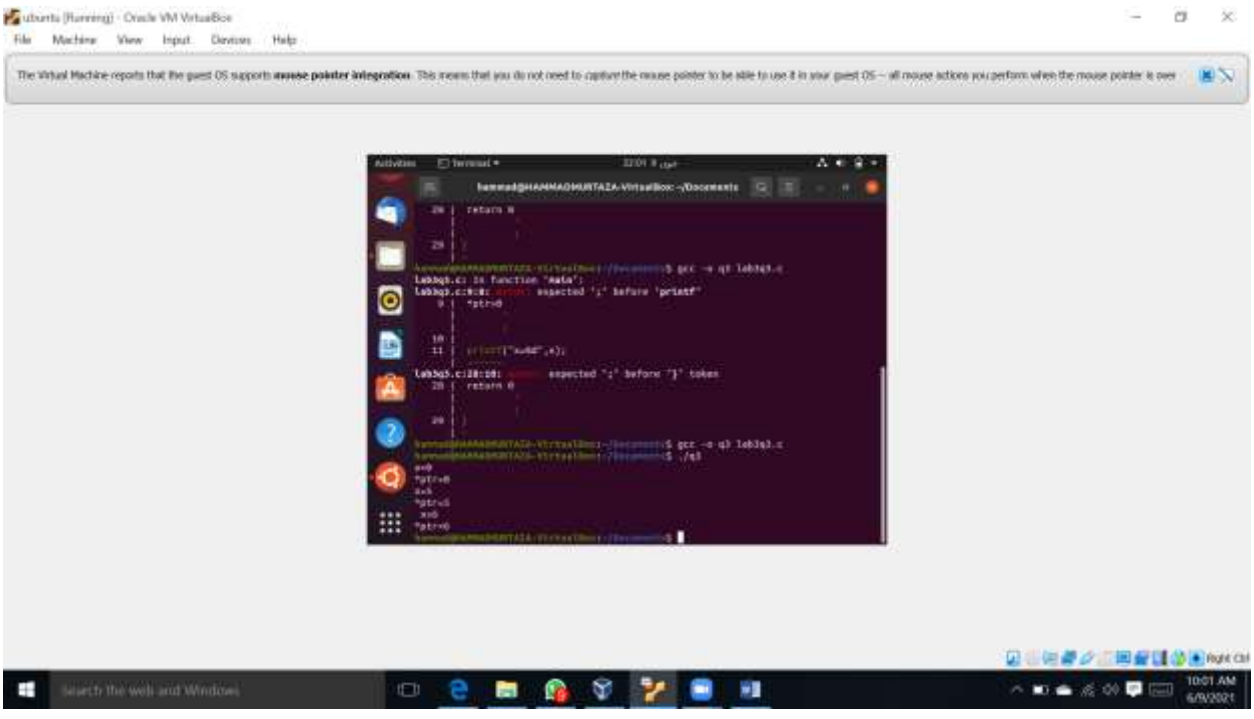
Q3:

CODE:




Activities
Text Editor
Open
lab3q3.c
~/Documents
Save
int main()
{
int *ptr;
int x;
ptr=&x;
*ptr=0;
printf("x=%d",x);
printf("\n");
printf("*ptr=%d", *ptr);
printf("\n");
*ptr+=5;
printf("x=%d", x);
printf("\n");
printf("*ptr=%d", *ptr);
printf("\n");
(*ptr)++;
printf(" x=%d", x);
printf("\n");
printf("*ptr=%d", *ptr);
printf("\n");
return 0;
}
C
Tab Width: 8
Ln 26, Col 27
INS

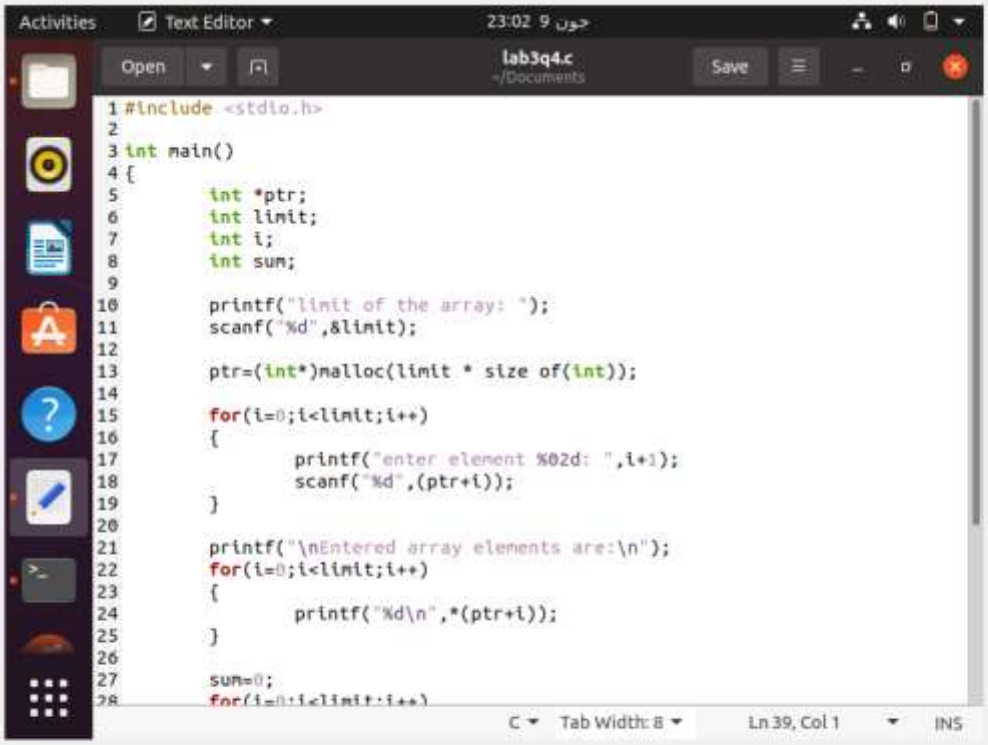
OUTPUT:

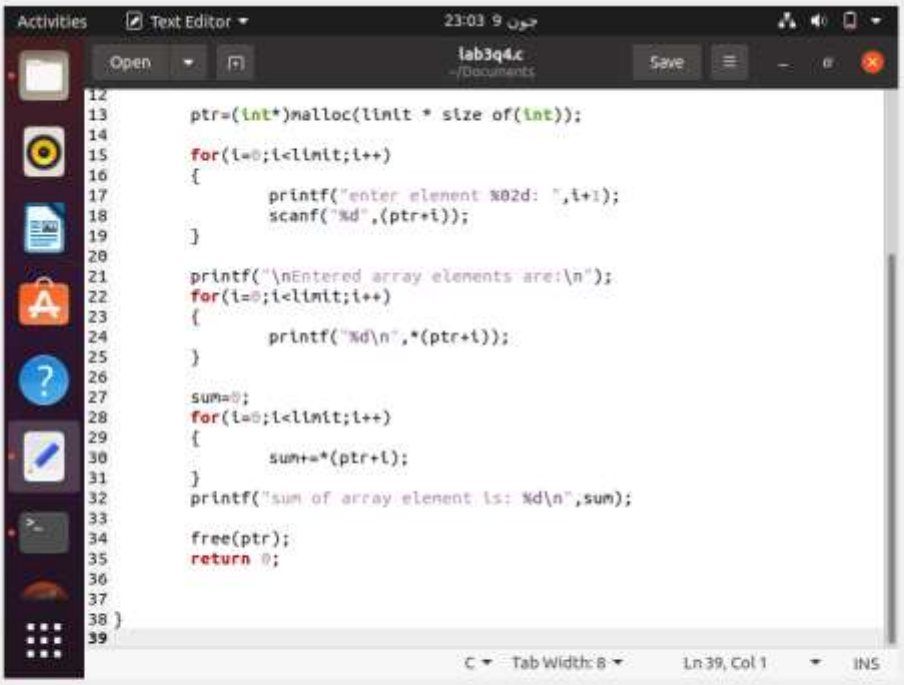

File Machine View Input Devices Help
The Virtual Machine reports that the guest OS supports mouse pointer integration. This means that you do not need to capture the mouse pointer to be able to use it in your guest OS -- all mouse actions you perform when the mouse pointer is over
Search the web and Windows

```
hammad@HAMMADMURTAZA-VirtualBox:~/Documents$ gcc -o q3 lab3q3.c
hammad@HAMMADMURTAZA-VirtualBox:~/Documents$ ./q3
x=0
*ptr=0
x=5
*ptr=5
 x=6
*ptr=6
hammad@HAMMADMURTAZA-VirtualBox:~/Documents$
```

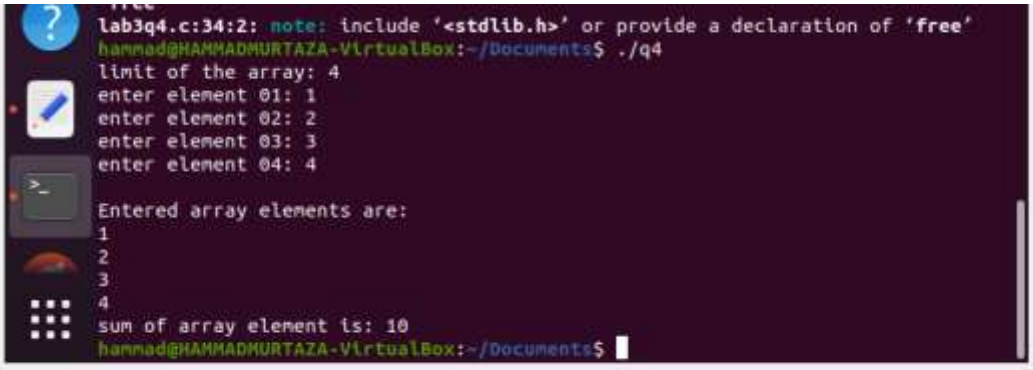
Q4:

CODE:




Activities
Text Editor
23:03 9 جون
Open
lab3q4.c
~/Documents
Save
ptr=(int*)malloc(limit * size of(int));
for(i=0;i<limit;i++)
{
printf("enter element %02d: ",i+1);
scanf("%d",(ptr+i));
}
printf("\nEntered array elements are:\n");
for(i=0;i<limit;i++)
{
printf("%d\n",*(ptr+i));
}
sum=0;
for(i=0;i<limit;i++)
{
sum+=*(ptr+i);
}
printf("sum of array element is: %d\n",sum);
free(ptr);
return 0;
}
C
Tab Width: 8
Ln 39, Col 1
INS

OUTPUT:


lab3q4.c:34:2: note: include '<stdlib.h>' or provide a declaration of 'free'
hammad@HAMMADMURTAZA-VirtualBox:~/Documents$ ./q4
limit of the array: 4
enter element 01: 1
enter element 02: 2
enter element 03: 3
enter element 04: 4
Entered array elements are:
1
2
3
4
sum of array element is: 10
hammad@HAMMADMURTAZA-VirtualBox:~/Documents$