



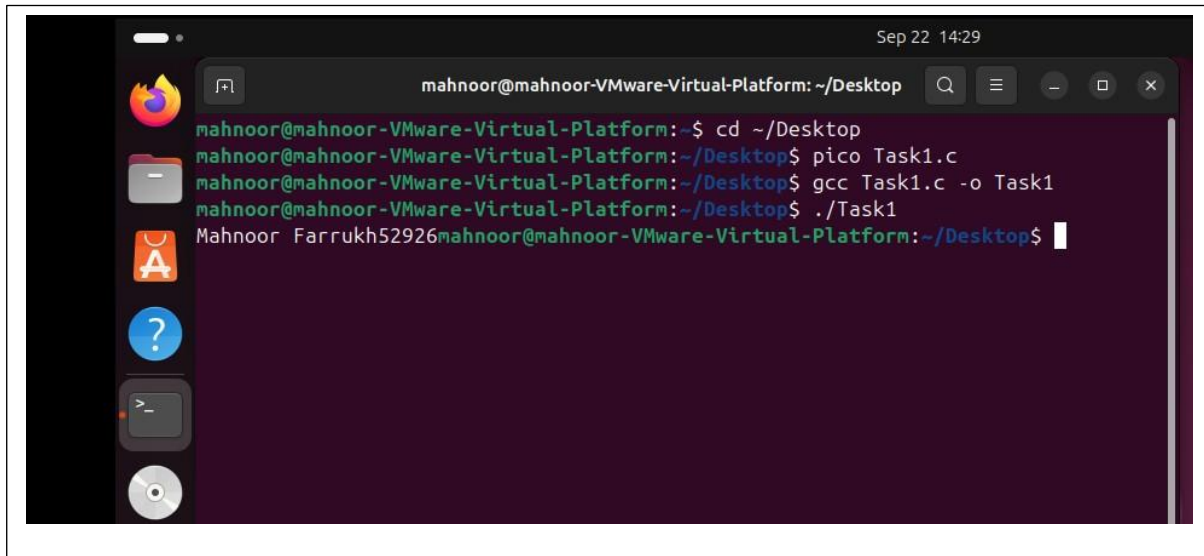
Operating System

Lab 6

Submitted By:

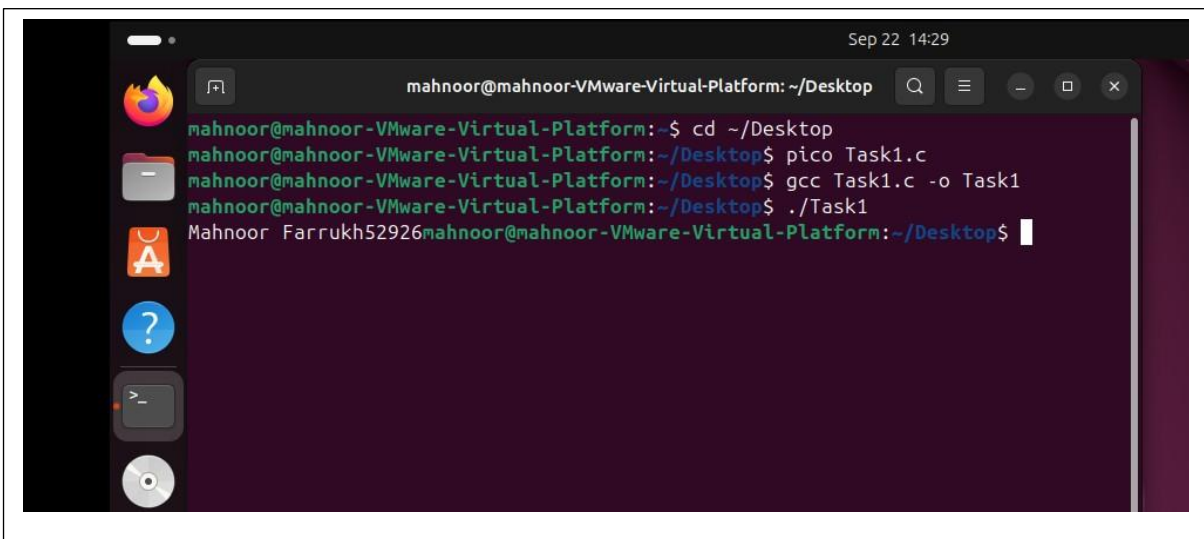
Mahnoor Farrukh - 52926

Task 1:



A terminal window titled "mahnoor@mahnoor-VMware-Virtual-Platform: ~/Desktop" with a search bar and window controls. The terminal shows the following commands and output:

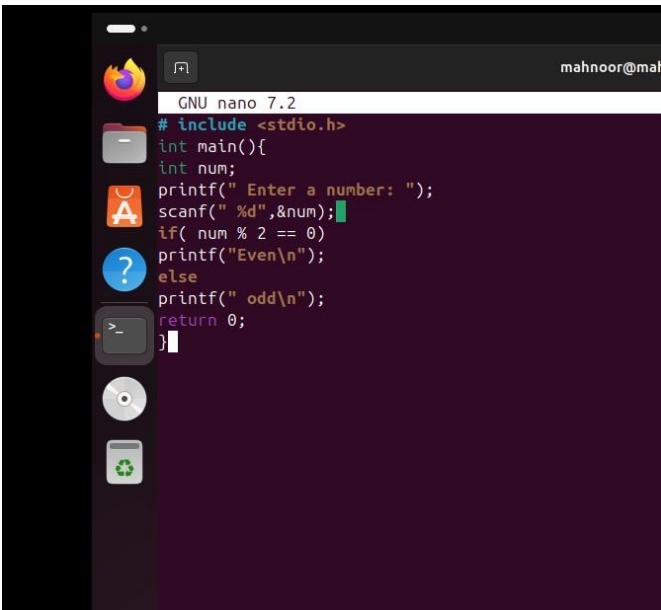
```
mahnoor@mahnoor-VMware-Virtual-Platform:~$ cd ~/Desktop
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ pico Task1.c
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ gcc Task1.c -o Task1
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ ./Task1
Mahnoor Farrukh52926mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$
```



A terminal window titled "mahnoor@mahnoor-VMware-Virtual-Platform: ~/Desktop" with a search bar and window controls. The terminal shows the following commands and output:

```
mahnoor@mahnoor-VMware-Virtual-Platform:~$ cd ~/Desktop
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ pico Task1.c
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ gcc Task1.c -o Task1
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ ./Task1
Mahnoor Farrukh52926mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$
```

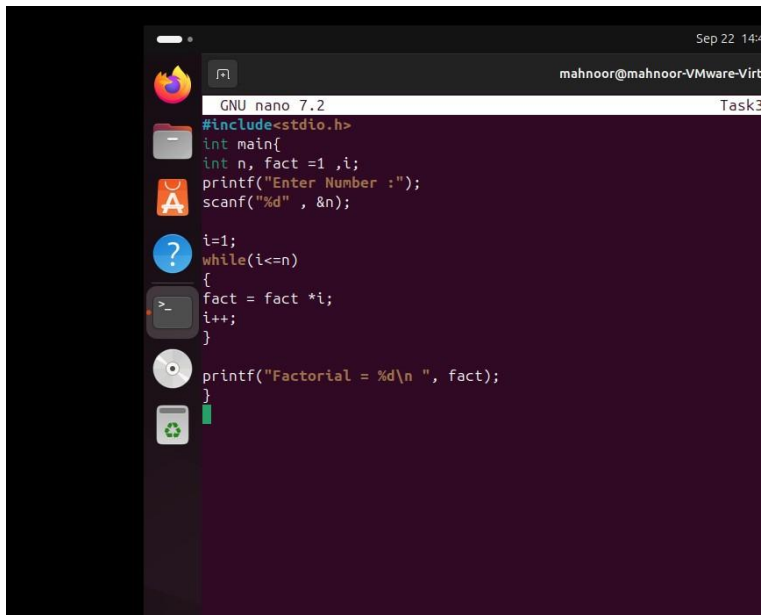
Task 2:



```
GNU nano 7.2
# include <stdio.h>
int main(){
int num;
printf(" Enter a number: ");
scanf(" %d",&num);
if( num % 2 == 0)
printf("Even\n");
else
printf(" odd\n");
return 0;
}
```

```
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ ./Task5
Average = 20
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ pico Tassk2.c
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ gcc Tassk2.c -o Tassk2
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ ./Tassk2
Enter a number: 7
odd
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$
```

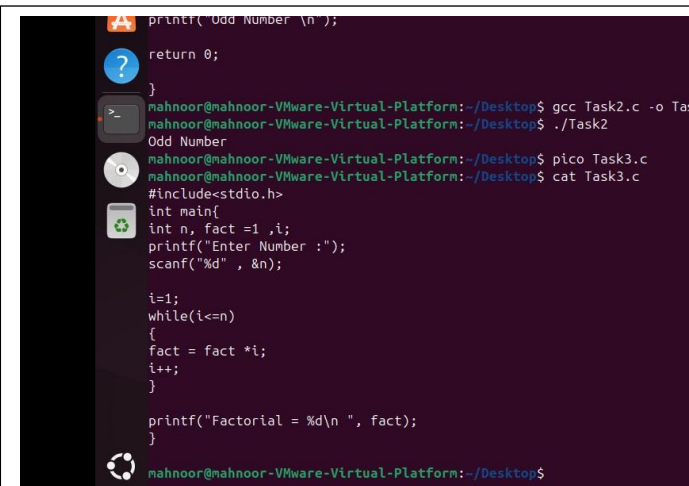
Task 3:



```
GNU nano 7.2 Task3.c
#include<stdio.h>
int main{
int n, fact =1 ,i;
printf("Enter Number :");
scanf("%d" , &n);

i=1;
while(i<=n)
{
fact = fact *i;
i++;
}

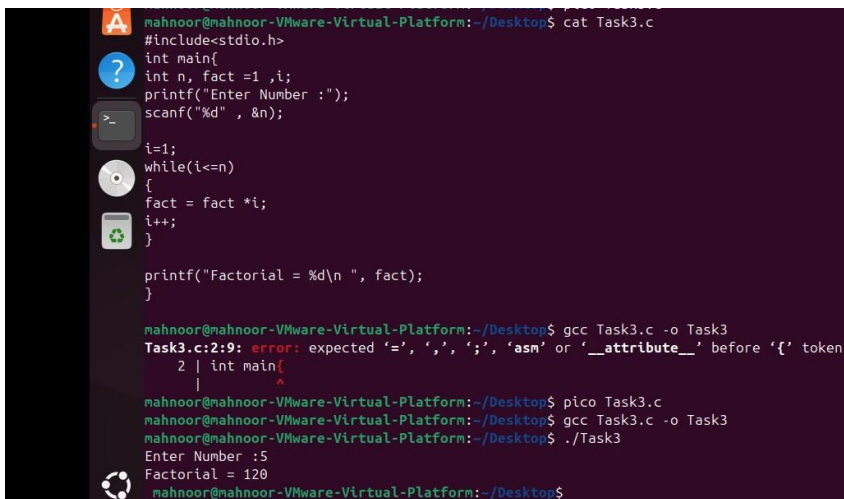
printf("Factorial = %d\n ", fact);
}
```



```
printf("Odd Number \n");
return 0;
}
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ gcc Task2.c -o Task2
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ ./Task2
Odd Number
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ pico Task3.c
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ cat Task3.c
#include<stdio.h>
int main{
int n, fact =1 ,i;
printf("Enter Number :");
scanf("%d" , &n);

i=1;
while(i<=n)
{
fact = fact *i;
i++;
}

printf("Factorial = %d\n ", fact);
}
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$
```



```
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ cat Task3.c
#include<stdio.h>
int main{
int n, fact =1 ,i;
printf("Enter Number :");
scanf("%d" , &n);

i=1;
while(i<=n)
{
fact = fact *i;
i++;
}

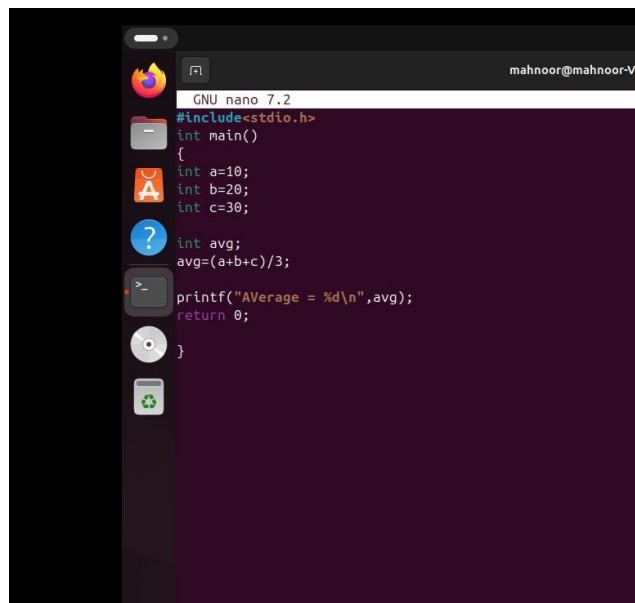
printf("Factorial = %d\n ", fact);
}
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ gcc Task3.c -o Task3
Task3.c:2:9: error: expected '=', ',', ';', 'asm' or '__attribute__' before '{' token
2 | int main{
  |         ^
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ pico Task3.c
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ gcc Task3.c -o Task3
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ ./Task3
Enter Number :5
Factorial = 120
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$
```

Task 4:

```
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ gcc Task3.c -o Task3
Task3.c:2:9: error: expected '=', ',', ';', 'asm' or '__attribute__' before
  2 | int main{
    |         ^
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ pico Task3.c
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ gcc Task3.c -o Task3
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ ./Task3
Enter Number :5
Factorial = 120
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ pico Task4.c
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ cat Task4.c
#include<stdio.h>
int main()
{
for(;;)
{
printf("Mahnoor");
}
return 0;
}
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$
```

A screenshot of a desktop environment. On the left is a dark sidebar with several icons: a file manager icon, a terminal icon, a help icon (a question mark), and a recycling bin icon. The main area of the screen is filled with a grid of 100 icons, each labeled 'Mahnoor'. The icons are arranged in 10 rows and 10 columns. The background is a dark, textured surface.

Task 5:



```
GNU nano 7.2
#include<stdio.h>
int main()
{
    int a=10;
    int b=20;
    int c=30;

    int avg;
    avg=(a+b+c)/3;

    printf("AVerage = %d\n",avg);
    return 0;
}
```

```
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ gcc Task5.c -o Task6
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ ./Task5
bash: ./Task5: No such file or directory
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ gcc Task5.c -o Task5
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$ ./Task5
AVerage = 20
mahnoor@mahnoor-VMware-Virtual-Platform:~/Desktop$
```