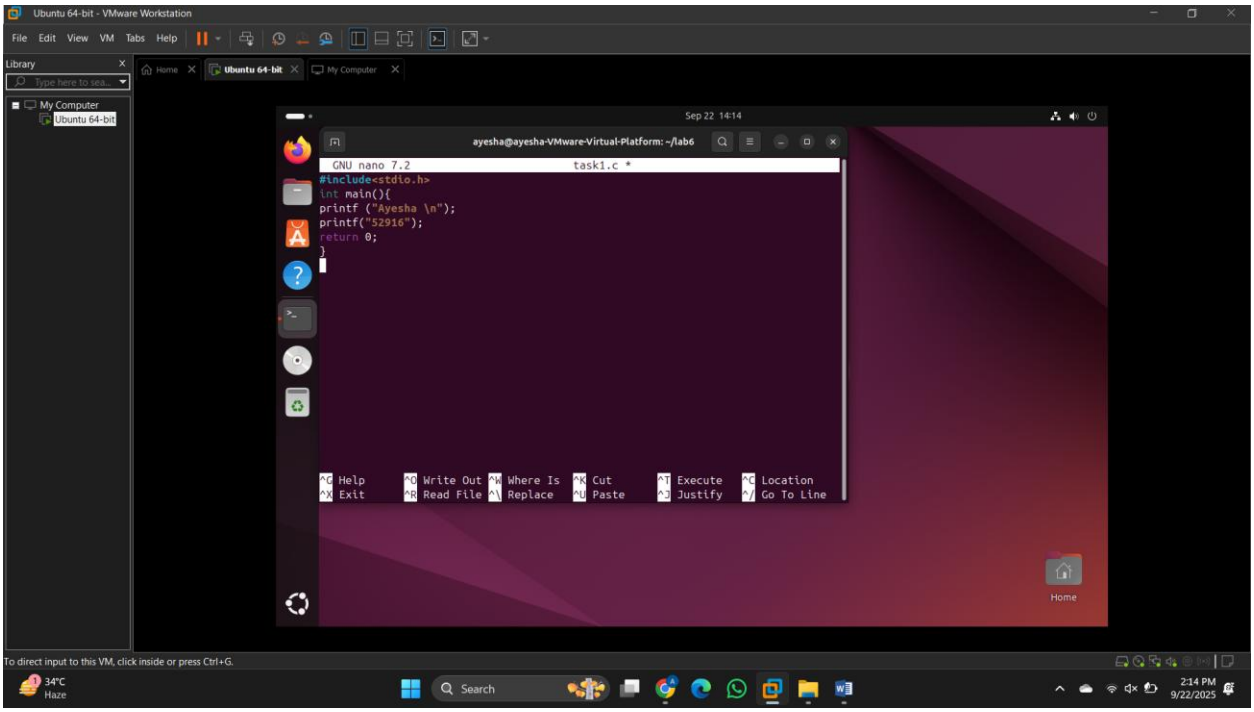
Ayesha Zubair

52916

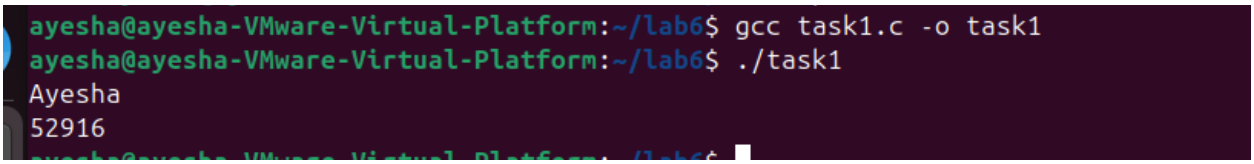
Lab 6

Task 1: Write a C program that print your name and sap id and Show the output.

Code:

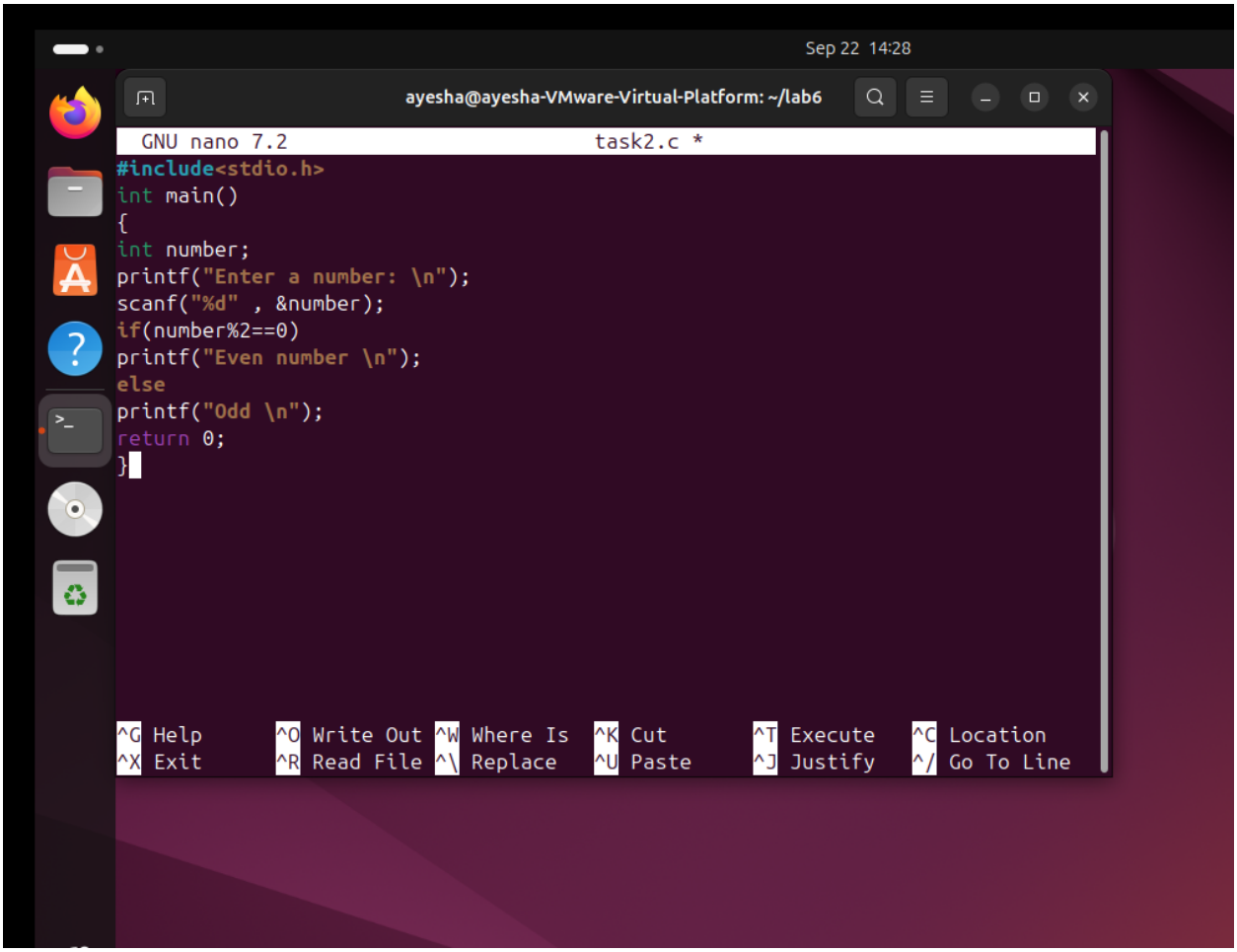


Output:



Task 2: Write a C program that asks the user to enter a number and determine whether the number entered is even or odd. Show the output.

Code:

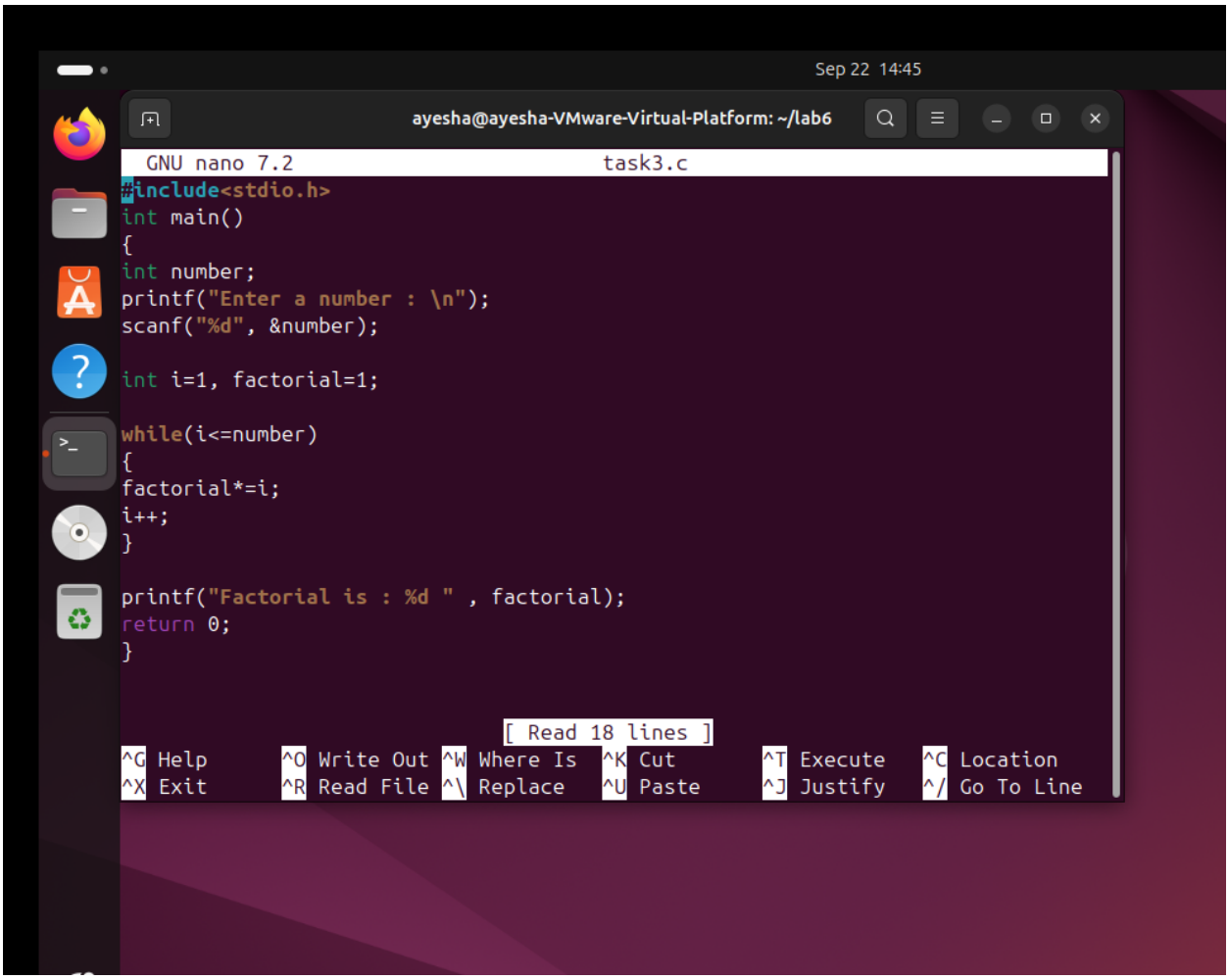


Output:

```
ayesha@ayesha-VMware-Virtual-Platform:~/lab6$ gcc task2.c -o task2
ayesha@ayesha-VMware-Virtual-Platform:~/lab6$ ./task2
Enter a number:
10
Even number
ayesha@ayesha-VMware-Virtual-Platform:~/lab6$
```

Task 3: Write a C program to calculate the factorial of a number using a while loop take a number from user.

Code:

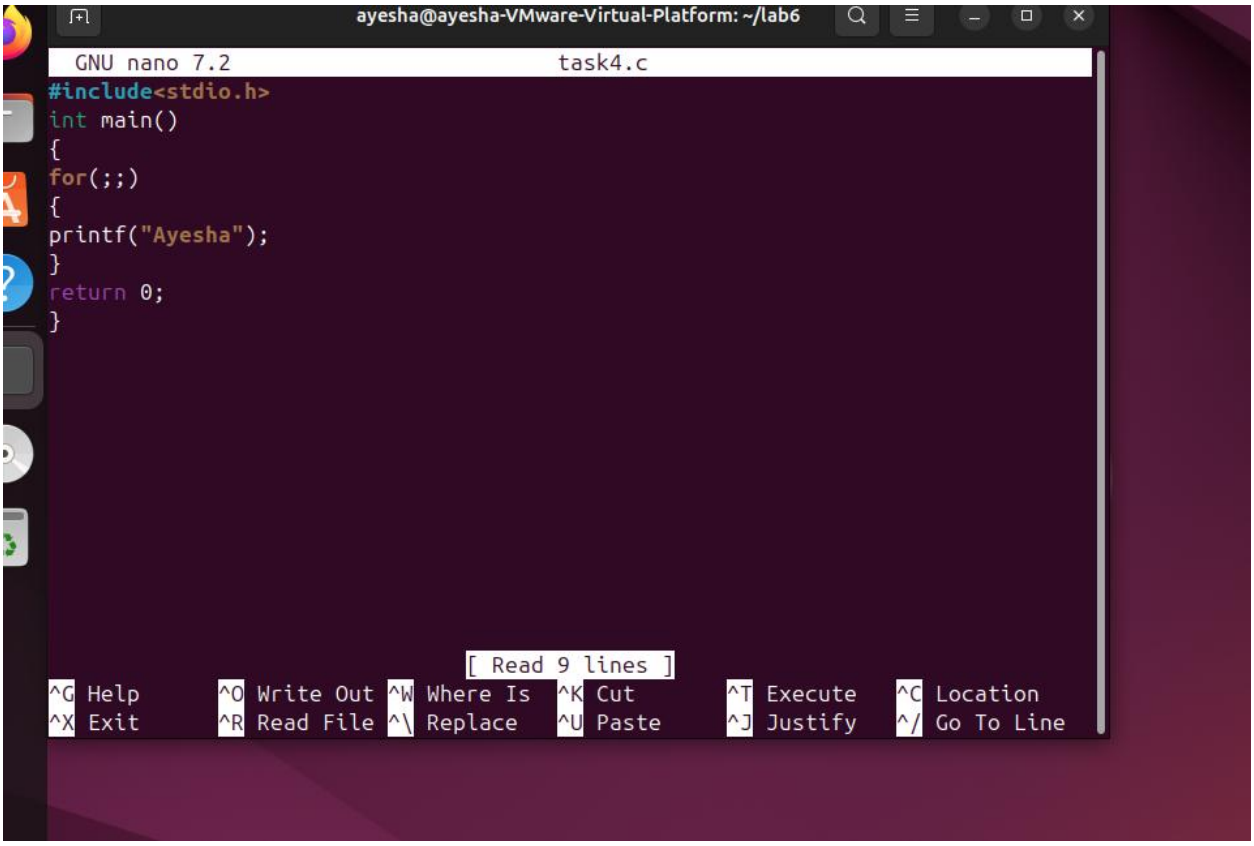


Output:

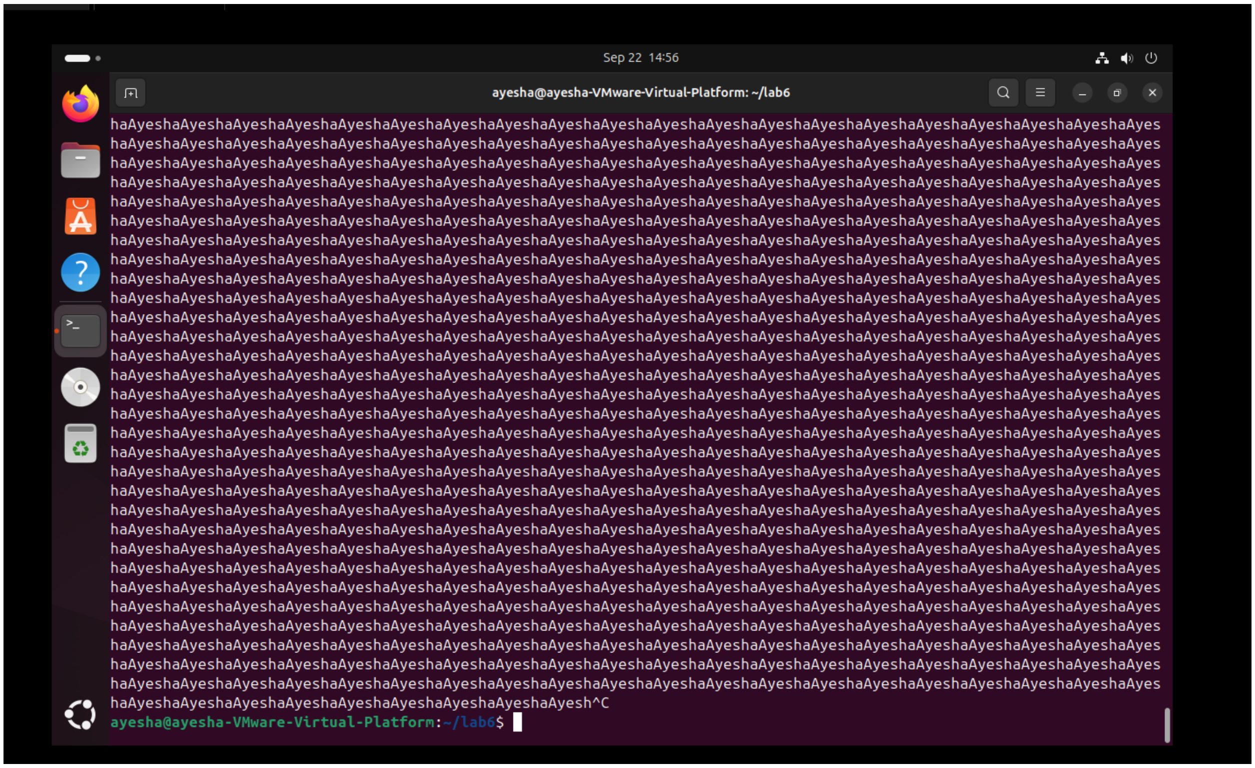
```
ayesha@ayesha-VMware-Virtual-Platform:~/lab6$ gcc task3.c -o task3
ayesha@ayesha-VMware-Virtual-Platform:~/lab6$ ./task3
Enter a number :
3
Factorial is : 6 ayesha@ayesha-VMware-Virtual-Platform:~/lab6$ pico task3.c
```

Task 4: Write a C program that uses an infinite for loop to print a name continuously.

Code:

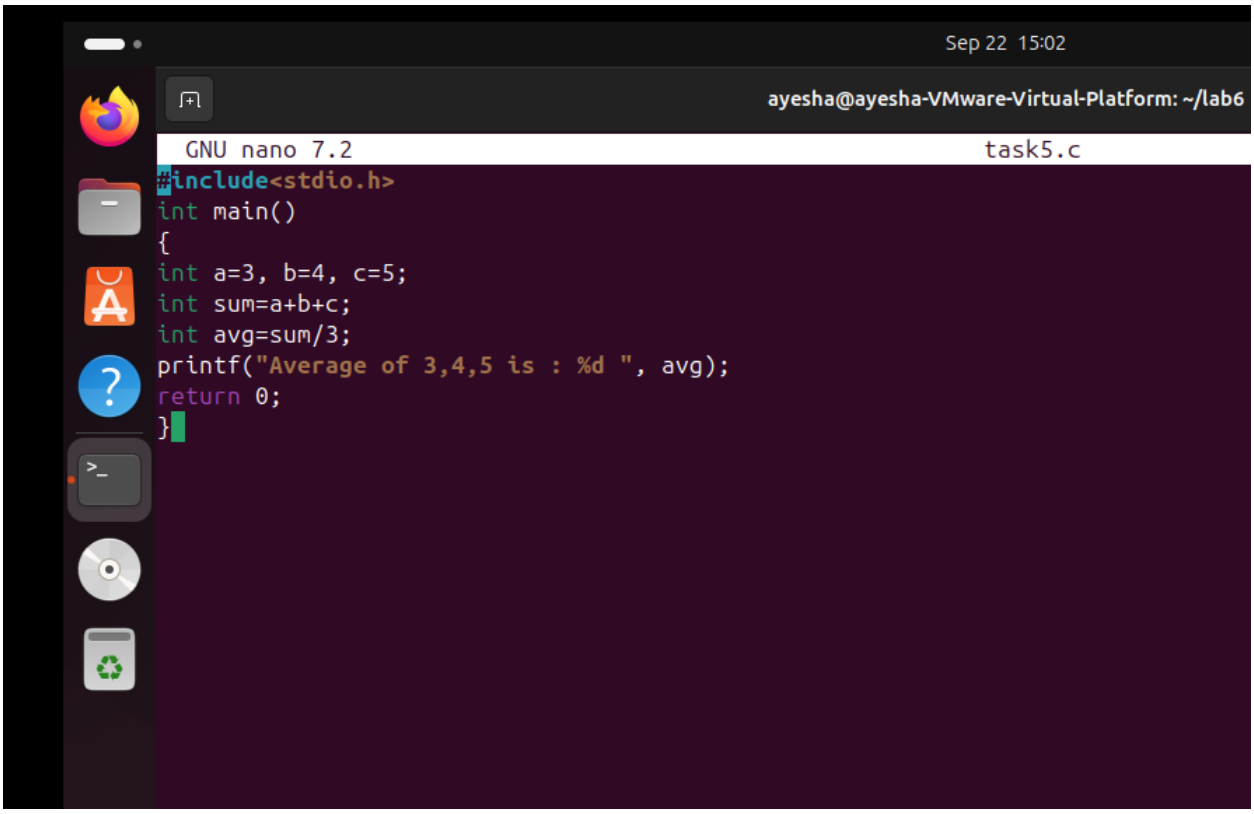

ayesha@ayesha-VMware-Virtual-Platform: ~/lab6
GNU nano 7.2
task4.c
#include<stdio.h>
int main()
{
for(;;)
{
printf("Ayesha");
}
return 0;
}
[Read 9 lines]
^G Help
^O Write Out
^W Where Is
^K Cut
^T Execute
^C Location
^X Exit
^R Read File
^\ Replace
^U Paste
^J Justify
^/ Go To Line

Output:

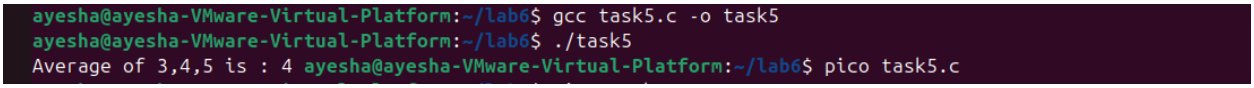


Task 5: Write a program to print average of three numbers in c program.

Code:


Sep 22 15:02
ayesha@ayesha-VMware-Virtual-Platform: ~/lab6
GNU nano 7.2
task5.c
#include<stdio.h>
int main()
{
int a=3, b=4, c=5;
int sum=a+b+c;
int avg=sum/3;
printf("Average of 3,4,5 is : %d ", avg);
return 0;
}

Output:


ayesha@ayesha-VMware-Virtual-Platform:~/lab6$ gcc task5.c -o task5
ayesha@ayesha-VMware-Virtual-Platform:~/lab6$ ./task5
Average of 3,4,5 is : 4 ayesha@ayesha-VMware-Virtual-Platform:~/lab6$ pico task5.c