

# Sri Lanka Institute of Information Technology



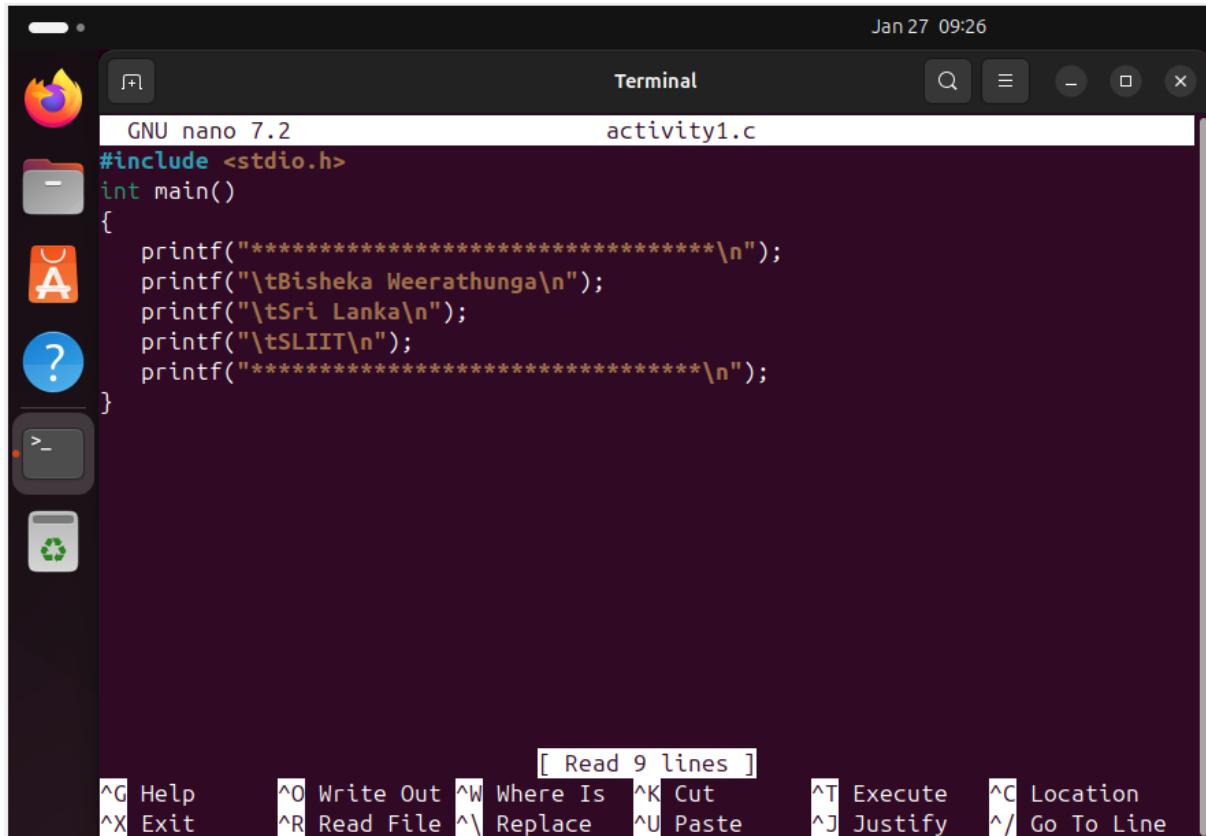
IT2130 – Operating Systems and System Administration  
Year 2, Semester 2- 2026

## Practical Answer Submission

Practical Sheet No: 01

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Campus/ Center name	SLIIT-Malabe
Specialization	Data Science
Batch No	Y2.S2-WD-DS-0102

## Activity 1

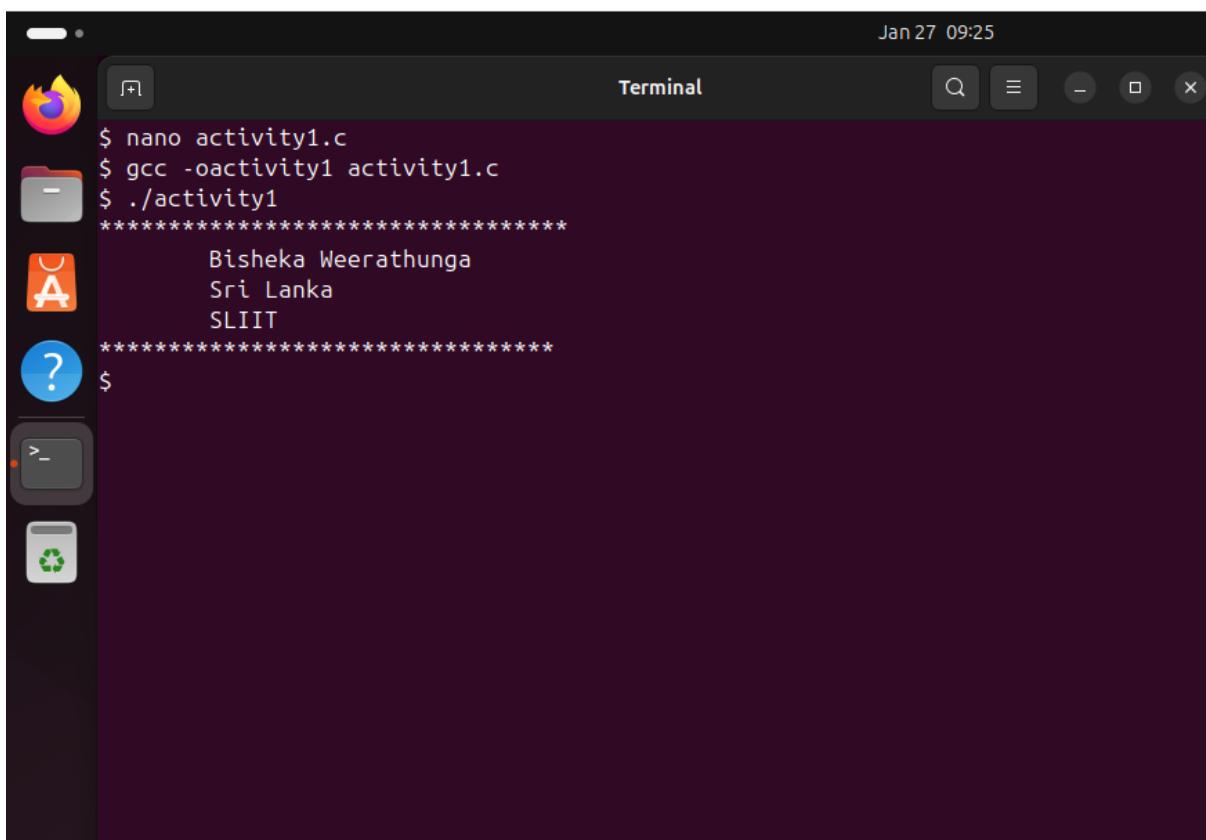


GNU nano 7.2 activity1.c

```
#include <stdio.h>
int main()
{
    printf("*****\n");
    printf("\tBisheka Weerathunga\n");
    printf("\tSri Lanka\n");
    printf("\tSLIIT\n");
    printf("*****\n");
}
```

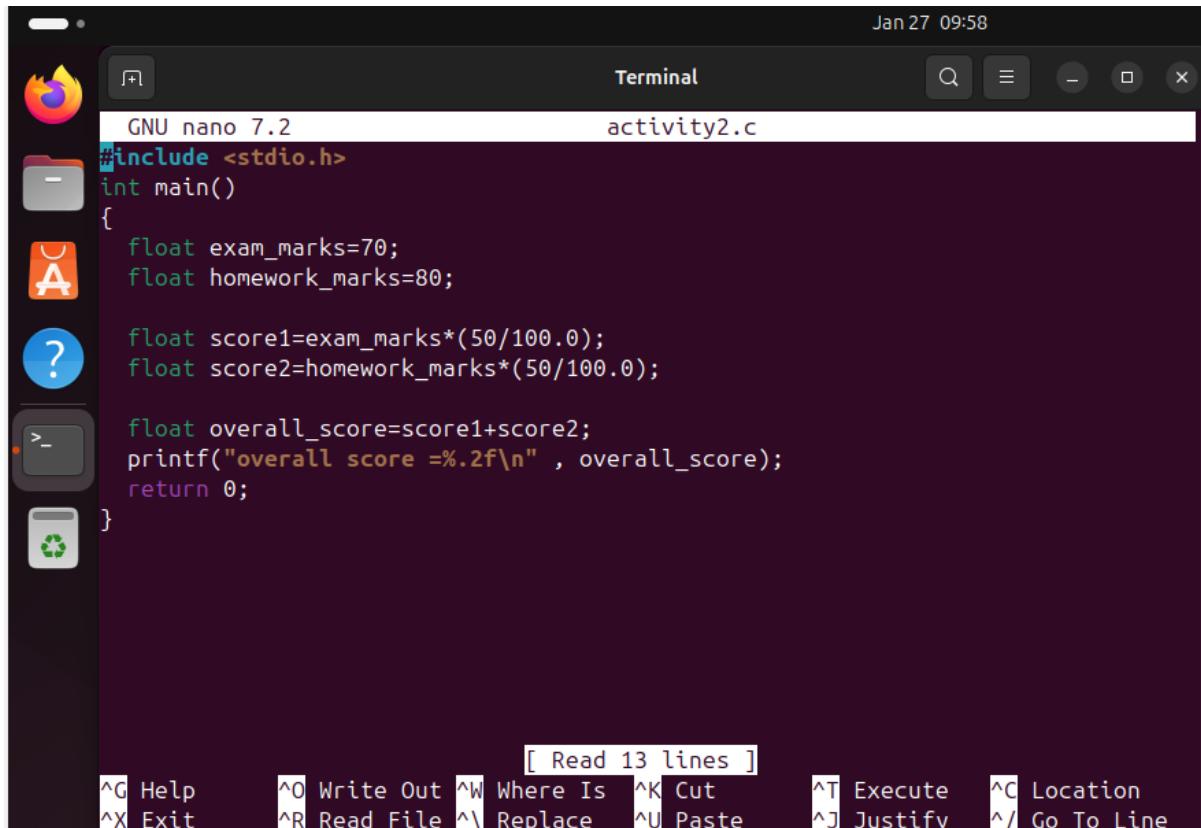
[ Read 9 lines ]

^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



```
$ nano activity1.c
$ gcc -oactivity1 activity1.c
$ ./activity1
*****
        Bisheka Weerathunga
        Sri Lanka
        SLIIT
*****
$
```

## Activity 2



GNU nano 7.2 activity2.c

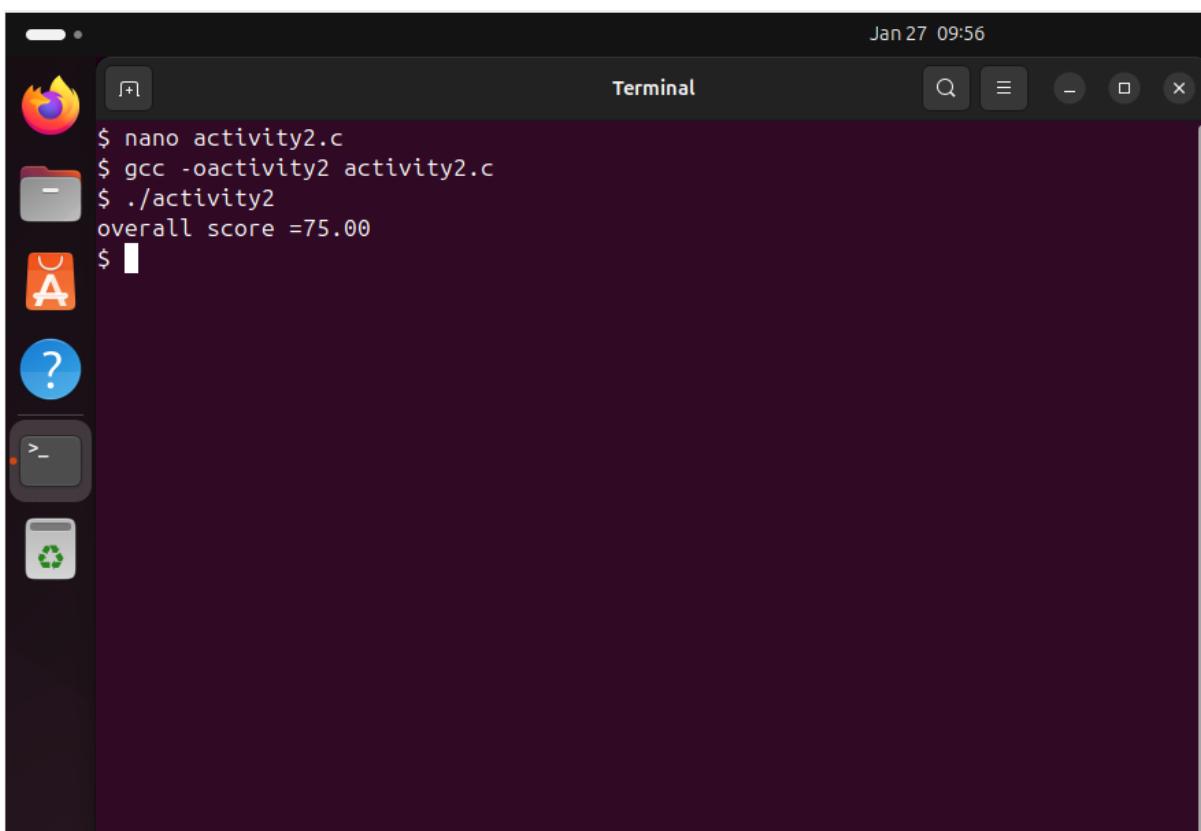
```
#include <stdio.h>
int main()
{
    float exam_marks=70;
    float homework_marks=80;

    float score1=exam_marks*(50/100.0);
    float score2=homework_marks*(50/100.0);

    float overall_score=score1+score2;
    printf("overall score =%.2f\n" , overall_score);
    return 0;
}
```

[ Read 13 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



```
$ nano activity2.c
$ gcc -oactivity2 activity2.c
$ ./activity2
overall score =75.00
$
```

## Activity 3

```
GNU nano 7.2 activity3.c
#include <stdio.h>
int main()
{
    float exam_marks=70;
    float homework_marks=80;

    float score1=exam_marks*(50/100);
    float score2=homework_marks*(50/100);

    float overall_score=score1+score2;
    printf("overall score =%.2f\n" , overall_score);
    return 0;
}

[ Read 13 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
```

```
$ nano activity3.c
$ gcc -oactivity3 activity3.c
$ ./activity3
overall score =0.00
$
```

In the C integer division, decimal parts are truncated. AS a result, all answer goes to 0.

## Activity 4

Jan 27 10:01

GNU nano 7.2 activity4.c

```
#include <stdio.h>
int main(){
    int mark1;
    int mark2;
    int full_marks;

    printf("Enter first number:");
    scanf("%d" ,&mark1);

    printf("Enter second number:");
    scanf("%d" ,&mark2);

    full_marks =mark1+mark2;

    printf("Full marks: %d\n" , full_marks);
    return 0;
}
```

[ Read 17 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

Jan 27 10:01

Terminal

```
$ nano activity4.c
$ gcc -oactivity4 activity4.c
$ ./activity4
Enter first number:70
Enter second number:80
Full marks: 150
$
```