Name Salma Rani

Sap Id 54194

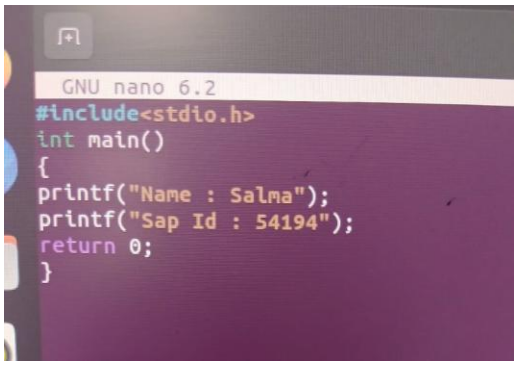
BSCS (sem 5)

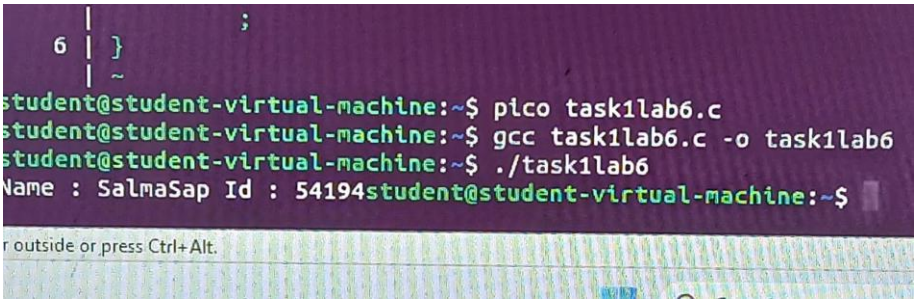
Instructor Mam Ayesha

Course Operating system

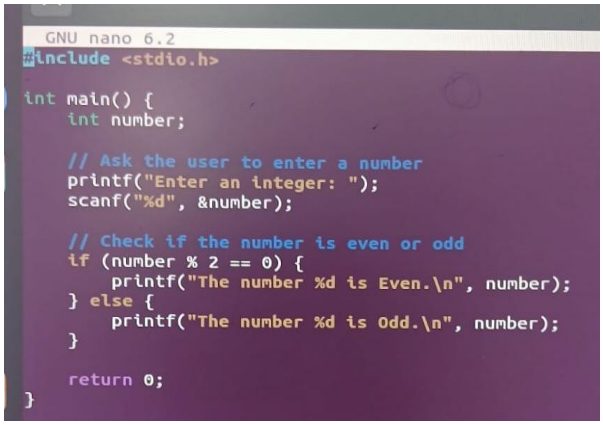
(Lab 6)

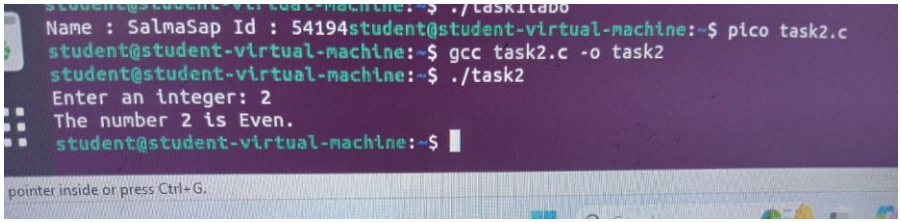
Task 1:


GNU nano 6.2
#include<stdio.h>
int main()
{
printf("Name : Salma");
printf("Sap Id : 54194");
return 0;
}

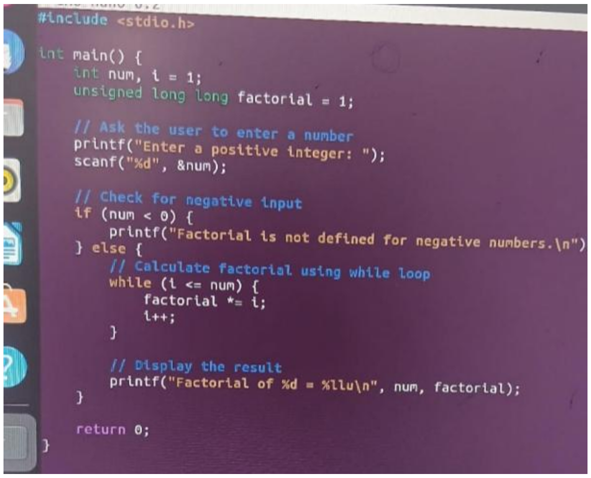

;
6 | }
~
student@student-virtual-machine:~$ pico task1lab6.c
student@student-virtual-machine:~$ gcc task1lab6.c -o task1lab6
student@student-virtual-machine:~$ ./task1lab6
Name : SalmaSap Id : 54194student@student-virtual-machine:~$
outside or press Ctrl+Alt.

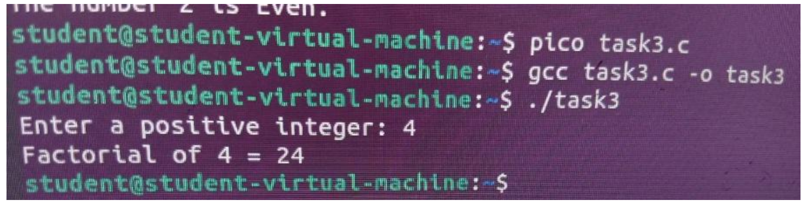
Task 2:


GNU nano 6.2
#include <stdio.h>
int main() {
int number;
// Ask the user to enter a number
printf("Enter an integer: ");
scanf("%d", &number);
// Check if the number is even or odd
if (number % 2 == 0) {
printf("The number %d is Even.\n", number);
} else {
printf("The number %d is Odd.\n", number);
}
return 0;
}

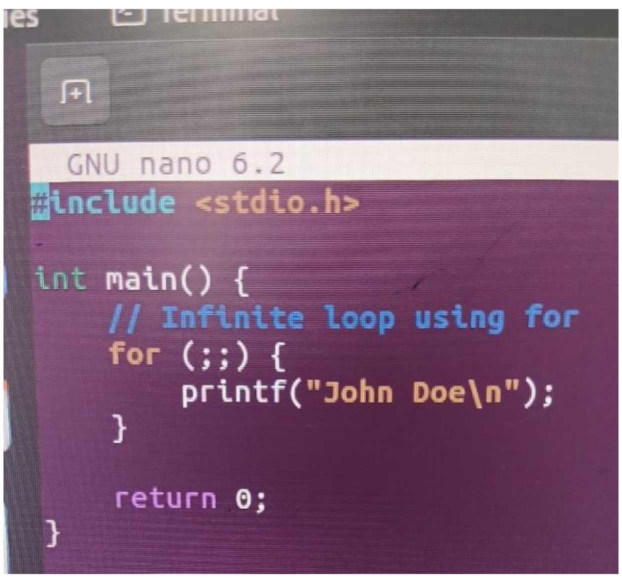

Name : SalmaSap Id : 54194student@student-virtual-machine:~$ pico task2.c
student@student-virtual-machine:~$ gcc task2.c -o task2
student@student-virtual-machine:~$ ./task2
Enter an integer: 2
The number 2 is Even.
student@student-virtual-machine:~$
pointer inside or press Ctrl+G.

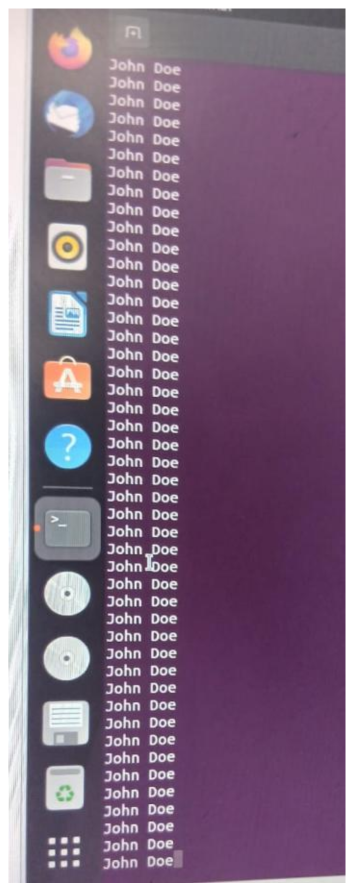
Task 3:


#include <stdio.h>
int main() {
int num, i = 1;
unsigned long long factorial = 1;
// Ask the user to enter a number
printf("Enter a positive integer: ");
scanf("%d", &num);
// Check for negative input
if (num < 0) {
printf("Factorial is not defined for negative numbers.\n");
} else {
// Calculate factorial using while loop
while (i <= num) {
factorial *= i;
i++;
}
// Display the result
printf("Factorial of %d = %llu\n", num, factorial);
}
return 0;
}


student@student-virtual-machine:~$ pico task3.c
student@student-virtual-machine:~$ gcc task3.c -o task3
student@student-virtual-machine:~$ ./task3
Enter a positive integer: 4
Factorial of 4 = 24
student@student-virtual-machine:~$

Task 4:


GNU nano 6.2
#include <stdio.h>
int main() {
// Infinite loop using for
for (;;) {
printf("John Doe\n");
}
return 0;
}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Task 5:

```
GNU nano 6.2
#include <stdio.h>

int main() {
    float num1, num2, num3, average;

    // Input from user
    printf("Enter three numbers:\n");
    scanf("%f %f %f", &num1, &num2, &num3);

    // Calculate average
    average = (num1 + num2 + num3) / 3;

    // Display result
    printf("Average = %.2f\n", average);

    return 0;
}
```

```
student@student-virtual-machine:~$ pico task5.c
student@student-virtual-machine:~$ gcc task5.c -o task5
student@student-virtual-machine:~$ ./task5
Enter three numbers:
20
30
40
Average = 30.00
student@student-virtual-machine:~$
```