

Gross Salary Problem

Source Code:

```
#include <stdio.h>

int main()
{
    float salary;

    printf("Enter Basic Salary of Employee:\t");

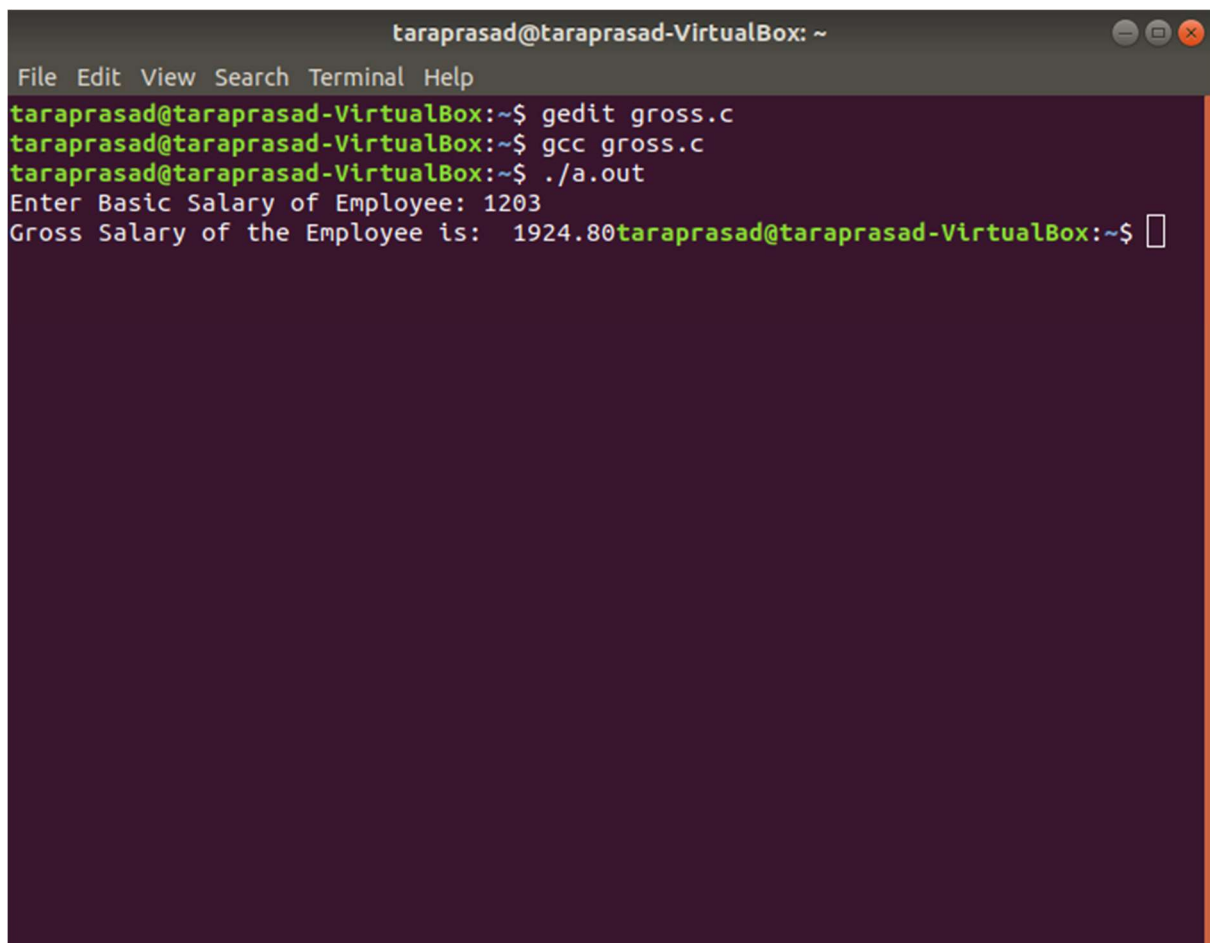
    scanf("%f",&salary);

    salary = (1+0.4+0.2)*salary;

    printf("Gross Salary of the Employee is:%9.2f",salary);

    return 0;
}
```

Output:

A screenshot of a terminal window titled 'taraprasad@taraprasad-VirtualBox: ~'. The terminal shows the following commands and output: 'gedit gross.c' (opening a file editor), 'gcc gross.c' (compiling the program), and './a.out' (running the program). The program prompts 'Enter Basic Salary of Employee: 1203' and then outputs 'Gross Salary of the Employee is: 1924.80'. The prompt 'taraprasad@taraprasad-VirtualBox:~\$' is visible at the end of the output line.

```
taraprasad@taraprasad-VirtualBox: ~
File Edit View Search Terminal Help
taraprasad@taraprasad-VirtualBox:~$ gedit gross.c
taraprasad@taraprasad-VirtualBox:~$ gcc gross.c
taraprasad@taraprasad-VirtualBox:~$ ./a.out
Enter Basic Salary of Employee: 1203
Gross Salary of the Employee is: 1924.80taraprasad@taraprasad-VirtualBox:~$
```

Conversion Problem

```
#include <stdio.h>

int main()
{
    float km;

    int a;

    printf("Enter the distance between two cities: ");

    scanf("%f",&km);

    printf("To display in feet type 1\nTo display in meters type 2\nTo display in inches type 3\nTo display in centimeters type 4: ");

    scanf("%d",&a);

    switch(a)
    {
        case 1:
            printf("Distance in feet is: %.2f",3281*km);

            break;

        case 2:
            printf("Distance in meters is: %.2f",1000*km);

            break;

        case 3:
            printf("Distance in inches is: %.2f",39370*km);

            break;

        case 4:
            printf("Distance in centimeters is: %.2f",100000*km);

            break;

    }

    return 0;
}
```

Output:

```
taraprasad@taraprasad-VirtualBox: ~
File Edit View Search Terminal Help
taraprasad@taraprasad-VirtualBox:~$ gedit conversion.c
taraprasad@taraprasad-VirtualBox:~$ gcc conversion.c
taraprasad@taraprasad-VirtualBox:~$ ./a.out
Enter the distance between two cities: 50
To display in feet type 1
To display in meters type 2
To display in inches type 3
To display in centimeters type 4: 2
Distance in meters is: 50000.00taraprasad@taraprasad-VirtualBox:~$ gcc conversi
./a.out
Enter the distance between two cities: 50
To display in feet type 1
To display in meters type 2
To display in inches type 3
To display in centimeters type 4: 3
Distance in inches is: 1968500.00taraprasad@taraprasad-VirtualBox:~$ ./a.out
Enter the distance between two cities: 50
To display in feet type 1
To display in meters type 2
To display in inches type 3
To display in centimeters type 4: 1
Distance in feet is: 164050.00taraprasad@taraprasad-VirtualBox:~$
```

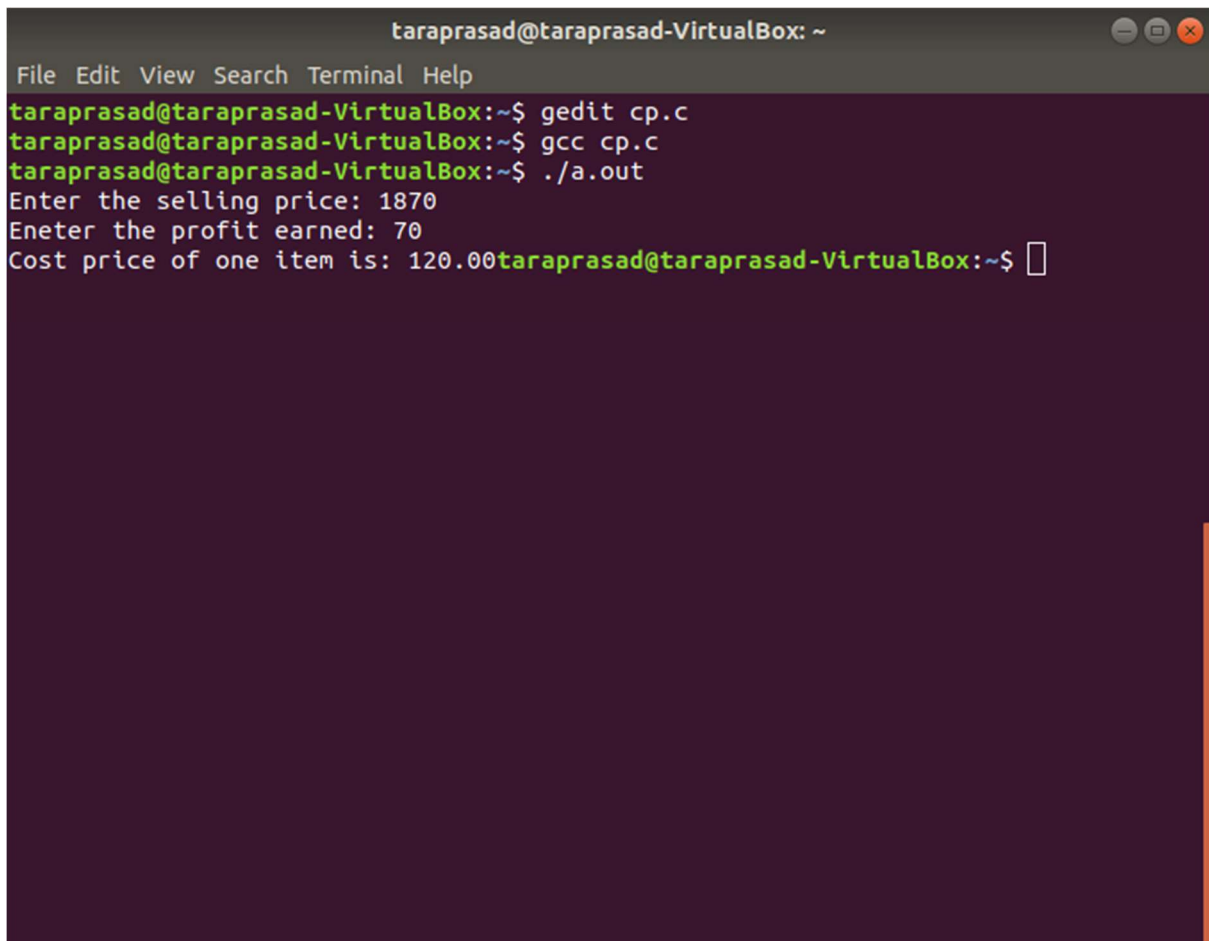
Cost Price Problem

```
#include <stdio.h>

int main()
{
    float selling_p,profit;
    printf("Enter the selling price: ");
    scanf("%f",&selling_p);
    printf("Eneter the profit earned: ");
    scanf("%f",&profit);
    printf("Cost price of one item is: %.2f",(selling_p-profit)/15);

    return 0;
}
```

Output:



```
taraprasad@taraprasad-VirtualBox: ~
File Edit View Search Terminal Help
taraprasad@taraprasad-VirtualBox:~$ gedit cp.c
taraprasad@taraprasad-VirtualBox:~$ gcc cp.c
taraprasad@taraprasad-VirtualBox:~$ ./a.out
Enter the selling price: 1870
Eneter the profit earned: 70
Cost price of one item is: 120.00taraprasad@taraprasad-VirtualBox:~$
```