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Subject: PF Lab

QUIZ # 1

Question no 2:

Code:

```
//write a C program to calculate displacement
#include<stdio.h>
int main()
{
    float d,t; // d means displacement t means time

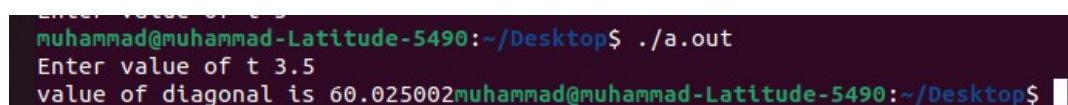
    const float g= 9.8; // g value =9.8

    printf("Enter value of t");
    scanf("%f",&t);

    d= (0.5)*(g)*(t*t);

    printf("value of diagonal is %f\n meter",d); // displacement is equal to
    return 0;
}
```

Output:



```
muhammad@muhammad-Latitude-5490:~/Desktop$ ./a.out
Enter value of t 3.5
value of diagonal is 60.025002muhammad@muhammad-Latitude-5490:~/Desktop$
```

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Question1 :

Code:

```
#include<stdio.h>
int main()
{
    float area,perimeter,l,d1,d2;

    printf("Enter value of l");
```

```
scanf("%f",&l);

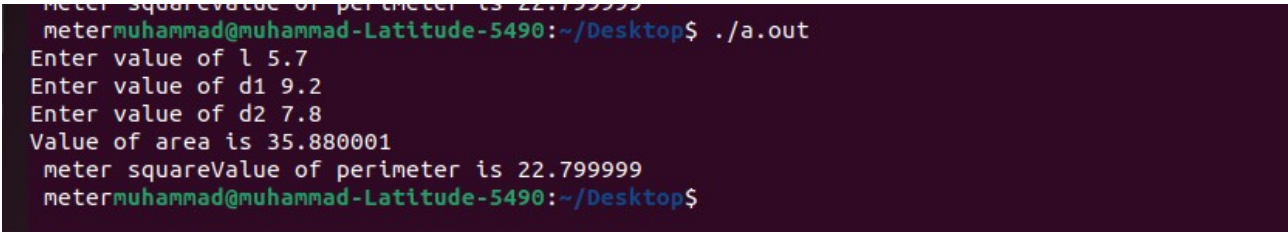
printf("Enter value of d1");
scanf("%f",&d1);

printf("Enter value of d2");
scanf("%f",&d2);

area= 0.5*(d1*d2);
printf("Value of area is %f meter square\n",area);

perimeter=4*l;
printf("Value of perimeter is %f meter\n",perimeter);
return 0;}
```

Output :

A terminal window with a dark purple background. The prompt is 'metermuhammad@muhammad-Latitude-5490:~/Desktop\$'. The user enters './a.out'. The program prompts for 'Enter value of l', 'Enter value of d1', and 'Enter value of d2'. The user enters '5.7', '9.2', and '7.8' respectively. The program outputs 'Value of area is 35.880001' and 'meter squareValue of perimeter is 22.799999'. The prompt returns to 'metermuhammad@muhammad-Latitude-5490:~/Desktop\$'.

```
meter squareValue of perimeter is 22.799999
metermuhammad@muhammad-Latitude-5490:~/Desktop$ ./a.out
Enter value of l 5.7
Enter value of d1 9.2
Enter value of d2 7.8
Value of area is 35.880001
meter squareValue of perimeter is 22.799999
metermuhammad@muhammad-Latitude-5490:~/Desktop$
```