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## Practice Problem 15

### Task 1:

### Code:

```
#include <stdio.h>
int find_length(const char *str);
int main() {

    char str[100];

    printf("Enter something:");
    scanf("%s", str);

    int result = find_length(str);
    printf("Length of string is %d",result);

    return 0;
}
int find_length(const char *str)
{
    int length=0;
    while (*str !='\0')
    {
        length++;
        str++;
    }
    return length;
}
```

### Output:

```
muhammad@muhammad-Latitude-5490:~/Desktop$ gcc pp15a.c
muhammad@muhammad-Latitude-5490:~/Desktop$ ./a.out
Enter something:How are you
Length of string is 3muhammad@muhammad-Latitude-5490:~/Desktop$
```

## Task 2:

### Code:

```
#include<stdio.h>

float Temperature_in_Celcuis(float *TF);
int main()
{
    float TF,TC;
    printf("Enter Temperature in Farenheit:");
    scanf("%f",&TF);

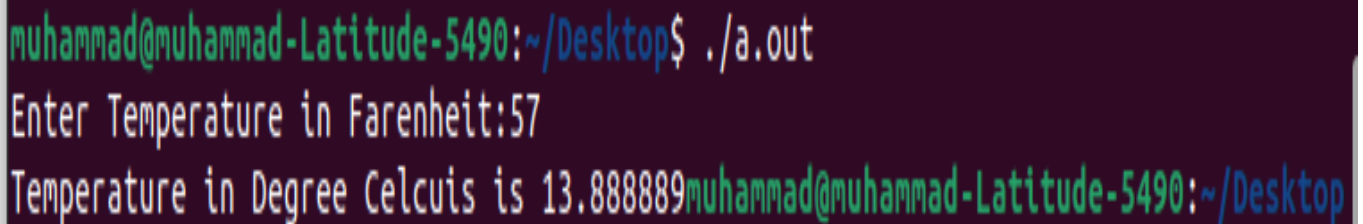
    float result = Temperature_in_Celcuis(&TF);
    printf("Temperature in Degree Celcuis is %f",result);

    return 0;
}
float Temperature_in_Celcuis(float *TF)
{
    float TC;
    TC= ((*TF -32) * (5.0/9.0));

    return TC;
}
```

### Output:

.



```
muhammad@muhammad-Latitude-5490:~/Desktop$ ./a.out
Enter Temperature in Farenheit:57
Temperature in Degree Celcuis is 13.888889muhammad@muhammad-Latitude-5490:~/Desktop$
```

.

### Task 3:

#### Code:

```
#include <stdio.h>
void copy_string(char *destination ,const char *str);
int main() {

    char str[100];

    printf("Enter something:");
    scanf("%s", str);

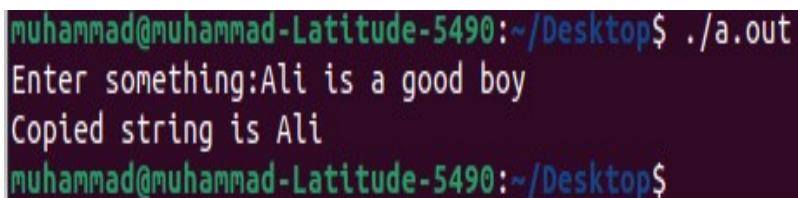
    char copiedstr[100];

    copy_string(copiedstr,str);
    printf("Copied string is %s\n", copiedstr);

    return 0;
}
void copy_string(char *destination ,const char *str)
{

    for (int i = 0; i < 99 && str[i] != '\0'; i++)
    {
        destination[i] = str[i];
    }
    destination[99] = '\0';
}
```

#### Output:



```
muhammad@muhammad-Latitude-5490:~/Desktop$ ./a.out
Enter something:Ali is a good boy
Copied string is Ali
muhammad@muhammad-Latitude-5490:~/Desktop$
```