Assignment 1:

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Q)Convert ferenhit into celcius

```c
#include<stdio.h>
#include<conio.h>
int main(){
    float F = 12;
    printf("%f ferenhit = %f celsius", F, ((F-32) * 5/9));
    // f-32 ** 5/9
    return 0;
}
```

```
● PS D:\Firstbit Solutions> cd "d:\Firstbit Solutions\C Programming\Assignmen
  o 1_fToC } ; if ($?) { .\1_fToC }
  12.000000 ferenhit = -11.111111 celsius
● PS D:\Firstbit Solutions\C Programming\Assignments\Assignment 1> 25
  25
○ PS D:\Firstbit Solutions\C Programming\Assignments\Assignment 1> |
```

Q)Find Area And perimeter of rectangle and circle

```c
#include<stdio.h>
#include<conio.h>
int main(){
    int length = 10;
    int breath = 10;
    printf("Area of rectangle is %d\n", length*breath);
    printf("perimeter of rectangle is %d\n", 2 * (length+breath));

    float radius = 5;
    printf("Area of circle is %.2f\n", 3.14 * radius * radius);
    printf("perimeter of circle is %.2f\n", 2 * 3.14 * radius);
    return 0;
}
```

```
● PS D:\Firstbit Solutions> cd "d:\Firstbit Solutions\C Programming\
  _parimeter.c -o 2_area_and_parimeter } ; if ($?) { .\2_area_and_pa
  Area of rectangle is 100
  perimeter of rectangle is 40
  Area of circle is 78.50
  perimeter of circle is 31.40
○ PS D:\Firstbit Solutions\C Programming\Assignments\Assignment 1>
```

Q)Find sum of digits of number and reverse

```c
// find sum of 3 digit num and reverse it
```

```c
#include<stdio.h>
#include<conio.h>
int main(){
    int temp = 123;
    int num = temp;
    int r1 = num %10; //3
    num = num /10; //12
    int r2 = num %10;
    int r3 = num /10;
    printf("Sum of %d is %d\n", temp, r1+r2+r3);
    printf("Reverse num of %d is %d\n", temp, (r1*100)+(r2*10)+r3);
    return 0;
}
```

```
● PS D:\Firstbit Solutions> cd "d:\Firstbit Solutions\C Programming\A
  nnerFile.c -o tempCodeRunnerFile } ; if ($?) { .\tempCodeRunnerFile
  Sum of 123 is 6
  Reverse num of 123 is 321
○ PS D:\Firstbit Solutions\C Programming\Assignments\Assignment 1>
```

Q)Find Even or Odd

```c
#include<stdio.h>
#include<conio.h>
int main(){
    int num = 25;
    num % 2 ? printf("%d is odd num", num) : printf("%d is even num", num);
    return 0;
}
```

```
● PS D:\Firstbit Solutions\C Programming\Assignments\Assignment 1> cd
  signment 1\" ; if ($?) { gcc 4_oddEven.c -o 4_oddEven } ; if ($?) {

  PS D:\Firstbit Solutions\C Programming\Assignments\Assignment 1> cd
  signment 1\" ; if ($?) { gcc 4_oddEven.c -o 4_oddEven } ; if ($?) {
  25 is odd num
○ PS D:\Firstbit Solutions\C Programming\Assignments\Assignment 1> []
```

Q)Find Salary after calculating da,ta, hra

```c
#include<stdio.h>
#include<conio.h>
// if basic <= 5000 da,ta, hra -> 10%,20,30
// otherwise 15,25,30
int main(){
    float basic = 4500;
    float salary;
    if(basic <=5000){
        salary = basic + (basic * 10)/100 + (basic * 20)/100 + (basic*30)/100;
    }
```

```c
    else
        salary = basic + (basic * 15)/100 + (basic * 25)/100 + (basic*30)/100;

    printf("Salary is %.2f\n", salary);
    return 0;
}
```

```
PS D:\Firstbit Solutions> cd "d:\Firstbit Solutions\C Programming\Ass
ry.c -o 5_cal_salary } ; if ($?) { .\5_cal_salary }
Salary is 7200.00
PS D:\Firstbit Solutions\C Programming\Assignments\Assignment 1>
```