C assignments – Day 4 (29-Aug-2022)

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Que1 - Write a program to multiply 5 numbers.

```c
#include <stdio.h>
int main(){
    int a, b, c, d, e, mult;
    printf("Enter five numbers\n");
    scanf("%d %d %d %d %d", &a,&b,&c,&d,&e);
    mult = a*b*c*d*e;
    printf("The multiplication of 5 numbers is %d", mult);
    return 0;
}
```

Que2 – Write a program to add 7 numbers from users and perform their addition.

```c
#include <stdio.h>
void main(){
    int a, b, c, d, e, f, g, sum;
    printf("Enter your 7 numbers\n");
    scanf("%d %d %d %d %d %d %d", &a,&b,&c,&d,&e,&f,&g);
    sum = a+b+c+d+e+f+g;
    printf("The addition of 7 numbers is %d", sum);
}
```

Que3 – Write a program to read marks of the 5 subjects. Perform their total and average.

```c
#include <stdio.h>
void main(){
    int a, b, c, d, e, sum, avg;
    printf("Enter the marks of 5 students\n");
    scanf("%d %d %d %d %d", &a,&b,&c,&d,&e);
    sum = a+b+c+d+e;
    avg = sum/5;
    printf("The total of the marks entered is: %d \n", sum);
    printf("The average of the marks entered is: %d", avg);
}
```

Que4 – Write a program to find area of a triangle.

```c
#include <stdio.h>
void main(){
    int base;
    int height;
    float area;
    printf("Enter the base and height of the traingle\n");
    scanf("%d %d", &base, &height);
    area = 0.5*base*height;
    printf("The area of traingle with given dimensions is: %f", area);
}
```

Que4 – Write a program to find area of a circle.

```c
#include <stdio.h>
void main(){
    float radius, circle_area;
    printf("Enter the radius of circle\n");
    scanf("%f", &radius);
    circle_area = 3.1415*radius*radius;
    printf("The area of the circle with the given radius is: %f", circle_area);
}
```

Que5 – Write a program to convert the temperatures from Fahrenheit to Celsius.

```c
#include <stdio.h>
void main(){
    float fahrenheit, to_celsius;
    printf("Enter the temperature in fahrenheit\n");
    scanf("%f", &fahrenheit);
    to_celsius = (fahrenheit - 32)*0.5556;
    printf("The given temperature in celsius is: %f degree ", to_celsius);
}
```