

Day2-Assignments-Part1

2nd Session - Data types and operators

1. Develop a C program to perform operations (+,*,-, / and %) on two whole numbers. Identify suitable data types to represent the numbers and resultant values
2. Develop a C program to add two operands and store the result in one of the operand using addition assignment operator.
3. Write a C program to find the maximum of 2 numbers using Conditional operator.
4. A C program contains the following declarations and initial assignments:

```
int i= 8, j = 5;
```

```
float x = 0.005, y = 0.01;
```

```
char c = 'c', d = 'd';
```

Determine the value of each of the following expressions.

- $(3*i*j)\%(2*d)$
 - $(i*j)\%(c+2*d) / (x*y)$
 - $5 * (i + j) > 'c'$
 - $2*x + (y == 0)$
 - $(x > y) \&\& (i > 0) || (j < 5)$
5. Write a program to find the area and the perimeter of a circle. Take radius "r" as input.
 6. Develop a C program to calculate simple interest using the formula $I = PTR/100$. Display Interest with two digit precision after decimal point