primed (Saathi) Date / / Experiment · No. 2 \* Tittle: Program to perform simple mathematical calculations. \* Aim: To write a program to pertorm simple mathematical calculations. \* Theory: Basic Data types: (++ supports a large number of data types. The built in or basic data tupes supported by (++ are int, Hoat & char. CPP also provides the data types bool for variables that can hold only the values . True or talse. Variables: variables is a location in the computer memory which can store data 4 is given a symbolic name for easy returned. The variables can be used to hold different values a different times during the execution of a program. Syntax: The state of the Data-tupe variable name; Example !int A; Page No.

Operation is a symbol that tells

An operator is a symbol that tells

the compiler to perform operation (the
mathematical or logical manipulator (the
provides tollowing types of operator.

O Arithematic operators:

Operator

→ Addition

→ Subtracts 2nd from 1st.

→ Multiply both operad

✓ Divides N by D

✓ remainder of after

integer division.



<=	$\rightarrow$	(heck it v	aluc	of right	is greator
		(heck it v	lett	, it yes	then true.

- (3) logical operator:

  Operator

  Plogical & operator, it both operator

  are non zero then become

  huc:

  Il -> logical or operator, it any of

  two operator is non-zero, conda

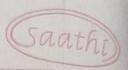
  become huc:

  I -> logical NoT operator. Use to

  reverse the logical state of

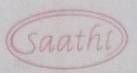
  operation:
- 3 Assignment operator:
  - Assign values from righ side operand.
- # frogram:#include < iostream >
  using namespace Std;

void main() }
int a, b, ans, ch; // declare variable



```
cout « In 1: Add In 2: 5ub In 3: MUI In 4: Div.
cout « 'In Enter your choice :";
(in ex (h;
cout « Enter two number ";
(in >> a >> b;
Switch (th)
  ) (asc +:
   cout « "Ans is " « a+b;
  break;
  (ase 2:
    cout << " Ans is << a-b;
   break;
   case 3:
   cout «" Ans is « atb;
   break;
   (asc 4;
    cout << " Ans is << a/b;
   break;
   detault:
   cout «" Invalid (hoico:";
   (out « " In ";
```

Date \_\_ / \_\_ /\_\_



Output : 1: Add

2: sub

3: MUL

4 : Div

Enter your choic: L Enter two number

10 20

Ans is 30

\* Conclusion :

By doing this practical, I come to know how to do program in (++ for different mathematical calculations.