**Program**

#include<stdio.h>

void printStmt(char c,char s,int loop)

{

int i = 0;

for(i=0;i<loop;i++)

{

if(i==(loop-1))

{

printf("%c",c);

}

else

{

printf("%c%c",c,s);

}

}

}

void main()

{

int input2,i;

char sign,input1;

float convert;

printf("Enter code in form of arg sign arg\n");

scanf("%c",&input1);

scanf("%c",&sign);

scanf("%d",&input2);

if(sign == '^')

{

printStmt(input1,'\*',input2);

}

else if(sign == '\*')

{

printStmt(input1,'+',input2);

}

else if(sign == '/')

{

convert = (float) (1/(float) input2);

printf("%c\*%f",input1,convert);

}

}

**Output**

Enter code in form of arg sign arg

x^4

x\*x\*x\*x

Process returned 4 (0x4) execution time : 3.204 s

Press any key to continue.

Enter code in form of arg sign arg

x\*3

x+x+x

Process returned 3 (0x3) execution time : 6.851 s

Press any key to continue.

Enter code in form of arg sign arg

x/2

x\*0.500000

Process returned 10 (0xA) execution time : 2.720 s

Press any key to continue.