**Function Pointer assignments**

Mandatory

1. WAP to invoke functions below based on user input character using function pointer. Character mapping and respective functions to be invoked are given below.

Character input Function

+ int add(int x, int y)

- int sub(int x, int y)

\* int multiply(int x, int y)

/ int divide(int x, int y)

Ans:

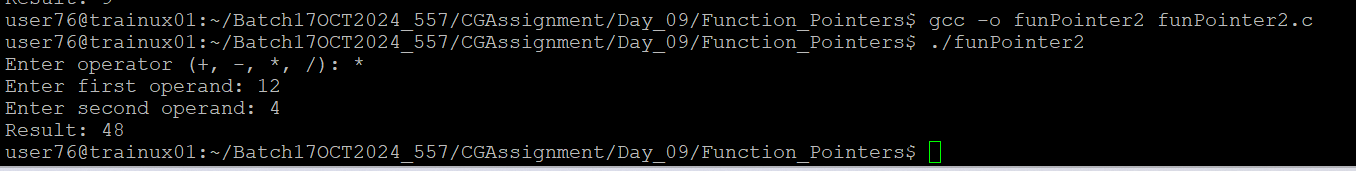
A computer screen shot of a program

Description automatically generated

2. Extend Q1 to include a function below which will return the address of a function based on input character.

<address of function> getaddr(char mychar);

Ans:



3. Extend Q1 to include a function below which takes a function pointer to a calculator function and one integer (value = 10) as arguments and shall invoke the given function with required arguments. For the second argument read input from user. Return the result.

int invokefunc(<function pointer as argument1>, int val1);

Ans:

A computer screen with text on it

Description automatically generated

4. Extend Q1 to define an array of function pointers and invoke them based user input character.

Ans:

