Practical-5
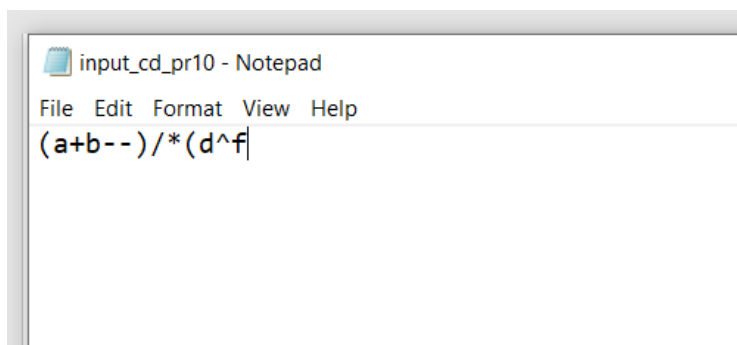
AIM : Write a program to verify arithmetic expression.

- **CODE :**

```
print('Kishan Patel-17012021036')
op = ["+","-","*","/","%","="]
id=["a","b","c","d","e","f","g","h","i","j","k","l","m","n","o","p","q","r","s","t","u","v","w","x","y","z"]
a=[]
f=open("input_cd_pr10.txt","r")
for x in f:
   print(x)
   a=list(x)
   print (a)
f.close()
result=[]
for z in a:
   if (z in id):
      print(z)
      result.append('0')
   elif (z in op):
      print(z)
      result.append('1')
print (result)
if (result == list(reversed(result))):
   print("Valid")
else:
   print ("not valid")
```

- **input_cd_pr10.txt**

- **OUTPUT :**

```
 RESTART: C:/Users/Dell Store/AppData/Local/Programs/Python/Python37/cd__pr10__arithvalidate.py
Kishan Patel-17012021036
(a+b--)/*(d^f
['(', 'a', '+', 'b', '-', '-', ')', '/', '*', '(', 'd', '^', 'f']
a
+
b
-
-
/
*
d
f
['0', '1', '0', '1', '1', '1', '1', '0', '0']
not valid
```