```
$ git show
commit c42c30f9749cce4324a6aa5b279a5eeb1207218c (HEAD -> master)
Author: meghaksaji <281761@ust.com>
Date:   Mon Jun 17 16:15:19 2024 +0530

    Updated calculator.py: Added percentage operation

diff --git a/calculator.py b/calculator.py
index 4745ad6..129b4ca 100644
--- a/calculator.py
+++ b/calculator.py
@@ -11,17 +11,20 @@ def divide(x, y):
     if y == 0:
         return "Error! Division by zero."
     return x / y
+def percentage(x, y):
+    return (x * y) / 100

 print("Select operation:")
 print("1. Add")
 print("2. Subtract")
 print("3. Multiply")
 print("4. Divide")
+print("5. Percentage")

 while True:
-    choice = input("Enter choice (1/2/3/4): ")
+    choice = input("Enter choice (1/2/3/4/5): ")

-    if choice in ('1', '2', '3', '4'):
+    if choice in ('1', '2', '3', '4','5'):
         num1 = float(input("Enter first number: "))
         num2 = float(input("Enter second number: "))

@@ -36,6 +39,8 @@ while True:

         elif choice == '4':
             print(num1, "/", num2, "=", divide(num1, num2))
+        elif choice == '5':
+            print(num1, "% of", num2, "=", percentage(num1, num2))
         break
     else:
         print("Invalid input")
```

```
Author: meghaksaji <281761@ust.com>
Date:   Mon Jun 17 16:04:24 2024 +0530

    Initial commit: Added calculator.py

diff --git a/calculator.py b/calculator.py
new file mode 100644
index 0000000..4745ad6
--- /dev/null
+++ b/calculator.py
@@ -0,0 +1,41 @@
+def add(x, y):
+    return x + y
+
+def subtract(x, y):
+    return x - y
+
+def multiply(x, y):
+    return x * y
+
+def divide(x, y):
+    if y == 0:
+        return "Error! Division by zero."
+    return x / y
+
+print("Select operation:")
+print("1. Add")
+print("2. Subtract")
+print("3. Multiply")
+print("4. Divide")
+
+while True:
+    choice = input("Enter choice (1/2/3/4): ")
+
+    if choice in ('1', '2', '3', '4'):
+        num1 = float(input("Enter first number: "))
+        num2 = float(input("Enter second number: "))
+
+        if choice == '1':
+            print(num1, "+", num2, "=", add(num1, num2))
+
+        elif choice == '2':
+            print(num1, "-", num2, "=", subtract(num1, num2))
+
:
```

```
$ git checkout -b newfeatures
Switched to a new branch 'newfeatures'

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd (newfeatures)
$ git status
On branch newfeatures
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        advanced calculator.py

nothing added to commit but untracked files present (use "git add" to track)

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd (newfeatures)
$ git commit -m "new file advanced calculator"
On branch newfeatures
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        advanced calculator.py

nothing added to commit but untracked files present (use "git add" to track)

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd (newfeatures)
$ git add -A

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd (newfeatures)
$ git commit -m "new file advanced calculator"
[newfeatures e3fa5b9] new file advanced calculator
1 file changed, 96 insertions(+)
create mode 100644 advanced calculator.py

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd (newfeatures)
$ git log
commit e3fa5b9575121e683c9106403a133e704db5bd0a (HEAD -> newfeatures)
Author: meghaksaji <281761@ust.com>
Date:   Mon Jun 17 21:45:47 2024 +0530

    new file advanced calculator

commit a157898747e47f83345e4192ecf0bf2544c98b4f (master)
Author: meghaksaji <281761@ust.com>
Date:   Mon Jun 17 16:04:24 2024 +0530

    Initial commit: Added calculator.py
```

```
Fast-forward
 advanced calculator.py | 96 +++++++++++++++++++++++++++++++++++++++++++++++++
 1 file changed, 96 insertions(+)
 create mode 100644 advanced calculator.py

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd (master)
$ git commit -m "merged file"
On branch master
nothing to commit, working tree clean

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd (master)
$ git branch -d newfeatures
Deleted branch newfeatures (was e3fa5b9).

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd (master)
$ git commit -m "msg2"
On branch master
nothing to commit, working tree clean

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd (master)
$ git remote add origin https://github.com/Meghaksaji/calculatorproject.git

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd (master)
$ git push -u origin master
fatal: A task was canceled.




/q


Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd (master)
$ git push -u origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 6 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 1.17 KiB | 300.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Meghaksaji/calculatorproject.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd (master)
$
```

```
Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd/c
alc (master)
$ git pull origin master
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 1), reused 6 (delta 1), pack-reused 0
Unpacking objects: 100% (6/6), 1.15 KiB | 78.00 KiB/s, done.
From https://github.com/Meghaksaji/calculatorproject
 * branch            master     -> FETCH_HEAD
 * [new branch]      master     -> origin/master

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd/c
alc (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   advanced calculator.py

no changes added to commit (use "git add" and/or "git commit -a")

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd/calc (master)
$ git add -A

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd/calc (master)
$ git commit -m "new changes"
[master db0a68c] new changes
 1 file changed, 4 insertions(+)

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd/calc (master)
$ git push origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 6 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 340 bytes | 340.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Meghaksaji/calculatorproject.git
   e3fa5b9..db0a68c  master -> master

Administrator@5dad8e271f25537 MINGW64 ~/PycharmProjects/pythontraining/githubd/calc (master)
$
```