Ensured that there are no unwanted branches in the repository and cleaned up the main repository by deleting unwanted files. A base skeleton for the code is created in the main repository itself. A new branch is created for adding the function to perform the addition operation.

```
moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git pull
Already up to date.

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git branch -l
* main

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ ls
README.md   code.py

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ cat code.py
import argparse

# Getting inpus from user
parser = argparse.ArgumentParser(description="Simple Calculator")
parser.add_argument("action", type=str,
                    help="Choose 'add' for Addition, 'sub' for Subtraction, 'div' for Divisio
n, and 'mul' for Multiplication")
parser.add_argument("x", type=float, help="Value of X")
parser.add_argument("y", type=float, help="Value of Y")
args = parser.parse_args()

# function for addition -<TBD>

# function for subtraction -<TBD>

# function for division -<TBD>

# function for multiplication -<TBD>

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git checkout -b feature-addition
Switched to a new branch 'feature-addition'
```

The function to perform addition operation and printing the result is completed by the feature branch named "feature-addition"

```
moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-addition)
$ cat code.py
import argparse

# Getting inpus from user
parser = argparse.ArgumentParser(description="Simple Calculator")
parser.add_argument("operation", type=str,
                    help="Choose 'add' for Addition, 'sub' for Subtraction, 'div' for Division, and 'mul' fo
parser.add_argument("x", type=float, help="Value of X")
parser.add_argument("y", type=float, help="Value of Y")
args = parser.parse_args()

# function for addition
def add(x=args.x, y=args.y):
    return x+y

# function for subtraction -<TBD>

# function for division -<TBD>

# function for multiplication -<TBD>

result = eval(f"{args.operation}()")
print(f"The action {args.operation} between {args.x} and {args.y} resulted in {result}")

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-addition)
$ git status
On branch feature-addition
Your branch is up to date with 'origin/feature-addition'.

nothing to commit, working tree clean
```

Similarly, the function to perform multiplication is created in a new feature branch (feature-mult) created from the main branch.

```
moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ cat code.py
import argparse

# Getting inpus from user
parser = argparse.ArgumentParser(description="Simple Calculator")
parser.add_argument("action", type=str,
                    help="Choose 'add' for Addition, 'sub' for Subtraction, 'div' for Division, and 'mul' for Multiplication")
parser.add_argument("x", type=float, help="Value of X")
parser.add_argument("y", type=float, help="Value of Y")
args = parser.parse_args()

# function for addition -<TBD>

# function for subtraction -<TBD>

# function for division -<TBD>

# function for multiplication -<TBD>

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git checkout -b feature-mult
Switched to a new branch 'feature-mult'

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-mult)
$ echo "the code is modified"
the code is modified

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-mult)
$ cat code.py
import argparse

# Getting inpus from user
parser = argparse.ArgumentParser(description="Simple Calculator")
parser.add_argument("action", type=str,
                    help="Choose 'add' for Addition, 'sub' for Subtraction, 'div' for Division, and 'mul' for Multiplication")
parser.add_argument("x", type=float, help="Value of X")
parser.add_argument("y", type=float, help="Value of Y")
args = parser.parse_args()

# function for addition -<TBD>

# function for subtraction -<TBD>

# function for division -<TBD>

# function for multiplication
def mul(x=args.x, y=args.y):
    return x * y
```

The function to perform subtraction is created in a new feature branch (feature-sub) created from the main branch.

```
moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git checkout -b feature-sub
Switched to a new branch 'feature-sub'

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-sub)
$ cat code.py
import argparse

# Getting inpus from user
parser = argparse.ArgumentParser(description="Simple Calculator")
parser.add_argument("action", type=str,
                    help="Choose 'add' for Addition, 'sub' for Subtraction, 'div' for Divisi
parser.add_argument("x", type=float, help="Value of X")
parser.add_argument("y", type=float, help="Value of Y")
args = parser.parse_args()

# function for addition -<TBD>

# function for subtraction -<TBD>

# function for division -<TBD>

# function for multiplication -<TBD>

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-sub)
$ echo "code modified:
> "
code modified:


moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-sub)
$ cat code.py
import argparse

# Getting inpus from user
parser = argparse.ArgumentParser(description="Simple Calculator")
parser.add_argument("action", type=str,
                    help="Choose 'add' for Addition, 'sub' for Subtraction, 'div' for Divisi
parser.add_argument("x", type=float, help="Value of X")
parser.add_argument("y", type=float, help="Value of Y")
args = parser.parse_args()

# function for addition -<TBD>

# function for subtraction -<TBD>
def sub(x=args.x, y=args.y):
    return x - y

# function for division -<TBD>

# function for multiplication -<TBD>
```

The function to perform division is created in a new feature branch (feature-div) created from the main branch.

```
moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-sub)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git checkout -b feature-div
Switched to a new branch 'feature-div'

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-div)
$ cat code.py
import argparse

# Getting inpus from user
parser = argparse.ArgumentParser(description="Simple Calculator")
parser.add_argument("action", type=str,
                    help="Choose 'add' for Addition, 'sub' for Subtraction, 'div' for Division, and 'mul' for Multiplication")
parser.add_argument("x", type=float, help="Value of X")
parser.add_argument("y", type=float, help="Value of Y")
args = parser.parse_args()

# function for addition -<TBD>

# function for subtraction -<TBD>

# function for division
def div(x=args.x, y=args.y):
    if y==0:
        print("Can't divide by zero")
        return None
    else:
        return x/y

# function for multiplication -<TBD>
```

Create pull-request

edureka-transaction-api `Public`

📌 Pin   👁 Unwatch 1

🔀 **feature-mult** had recent pushes 16 minutes ago   **Compare & pull request**

🔀 **feature-sub** had recent pushes 10 minutes ago   **Compare & pull request**

🔀 **feature-div** had recent pushes 6 minutes ago   **Compare & pull request**

🔀 main   🔀 5 Branches 🏷 1 Tags   🔍 Go to file   Add file ▾   <> Code ▾

🌑 **Riyas Moidu** Calculator_skeleton   064fe7a · 39 minutes ago   🕐 **5 Commits**

📄 README.md   Clean repo for the demo   1 hour ago

📄 code.py   Calculator_skeleton   39 minutes ago

📖 **README**   ✏️

Demo for PandoraTravel Co.

Open a pull request
Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks. Learn more about diff comparisons here.

⇅   base: main ▾   ←   compare: feature-div ▾   ✓ **Able to merge**. These branches can be automatically merged.

🌑 **Add a title**

division completed

Add a description

| Write | Preview | H B I ☰ <> 🔗 ☰ ☰ ☑ 📎 @ 🗗 ↩ ⬚

Requesting to merge to main

MD Markdown is supported   🖼 Paste, drop, or click to add files

Create pull request ▾

ⓘ Remember, contributions to this repository should follow our GitHub Community Guidelines.

Reviewers
No reviews

Assignees
No one—assign yours

Labels
None yet

Projects
None yet

Milestone
No milestone

Development
Use Closing keywords
automatically close iss

Helpful resources
GitHub Community G

division completed #1

🔀 Open   **riyasmjgeo** wants to merge 1 commit into `main` from `feature-div` ⧉

💬 Conversation 0 | ⦾ Commits 1 | ⊟ Checks 0 | ⊡ Files changed 1

riyasmjgeo commented now   Owner ···

Requesting to merge to main

☺

⦾   division completed   232cb23

Add more commits by pushing to the `feature-div` branch on **riyasmjgeo/edureka-transaction-api**.

⦿ **Require approval from specific reviewers before merging**   Add rule   ✕
   Rulesets ensure specific people approve pull requests before they're merged.

🖝 **Continuous integration has not been set up**
   GitHub Actions and **several other apps** can be used to automatically catch bugs and enforce style.

✓ **This branch has no conflicts with the base branch**
   Merging can be performed automatically.

Merge pull request ▾   You can also **open this in GitHub Desktop** or view **command line instructions**.

Add a comment

Write | Preview   H B I ⌵≣ <> 🔗 | ≣ ≣ ☑≣ 📎 @ 🗗 ↩ ▨

Division operation added

ⓂMarkdown is supported   🖼 Paste, drop, or click to add files

                                    ⇅ Close with comment   Comment

division completed #1

Merged **riyasmjgeo** merged 1 commit into `main` from `feature-div` now

Conversation 0 | Commits 1 | Checks 0 | Files changed 1

riyasmjgeo commented 1 minute ago   Owner ...

Requesting to merge to main

🙂

-○- division completed   232cb23

riyasmjgeo merged commit **8c5219f** into `main` now   Revert

Pull request successfully merged and closed   Delete branch
You're all set—the `feature-div` branch can be safely deleted.

Add a comment

Write | Preview   H B I ≣ <> 🔗 | ≣ ≣ ☰ | 📎 @ ☑ ↰ ⬚

Division operation added

Ⓜ Markdown is supported   🖼 Paste, drop, or click to add files

                                                                                Comment

ⓘ Remember, contributions to this repository should follow our GitHub Community Guidelines.

💡 **ProTip!** Add comments to specific lines under Files changed.

Pulled changes to the local main branch

```
moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-div)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git pull
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), 900 bytes | 900.00 KiB/s, done.
From https://github.com/riyasmjgeo/edureka-transaction-api
   064fe7a..8c5219f  main         -> origin/main
Updating 064fe7a..8c5219f
Fast-forward
 code.py | 8 +++++++-
 1 file changed, 7 insertions(+), 1 deletion(-)

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ cat code.py
import argparse

# Getting inpus from user
parser = argparse.ArgumentParser(description="Simple Calculator")
parser.add_argument("action", type=str,
                    help="Choose 'add' for Addition, 'sub' for Subtraction, 'div' for Division,
parser.add_argument("x", type=float, help="Value of X")
parser.add_argument("y", type=float, help="Value of Y")
args = parser.parse_args()

# function for addition -<TBD>

# function for subtraction -<TBD>

# function for division
def div(x=args.x, y=args.y):
    if y==0:
        print("Can't divide by zero")
        return None
    else:
        return x/y

# function for multiplication -<TBD>
```

Finding difference between two branches

```
moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git diff main feature-mult
diff --git a/code.py b/code.py
index 0ddfa68..7cb2cd0 100644
--- a/code.py
+++ b/code.py
@@ -12,12 +12,8 @@ args = parser.parse_args()

 # function for subtraction -<TBD>

-# function for division
-def div(x=args.x, y=args.y):
-    if y==0:
-        print("Can't divide by zero")
-        return None
-    else:
-        return x/y
+# function for division -<TBD>

-# function for multiplication -<TBD>
+# function for multiplication
+def mul(x=args.x, y=args.y):
+    return x * y

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
```

Reverting changes in a file

```
moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-addition)
$ git status
On branch feature-addition
Your branch is up to date with 'origin/feature-addition'.

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:   code.py

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

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-addition)
$ git restore code.py

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-addition)
$ git status
On branch feature-addition
Your branch is up to date with 'origin/feature-addition'.

nothing to commit, working tree clean

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (feature-addition)
$ |
```

Merging a branch directly

```
moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ cat code.py
import argparse

# Getting inpus from user
parser = argparse.ArgumentParser(description="Simple Calculator")
parser.add_argument("action", type=str,
                    help="Choose 'add' for Addition, 'sub' for Subtraction, 'div' for Division, and 'mul' for Multiplication")
parser.add_argument("x", type=float, help="Value of X")
parser.add_argument("y", type=float, help="Value of Y")
args = parser.parse_args()

# function for addition -<TBD>

# function for subtraction -<TBD>

# function for division
def div(x=args.x, y=args.y):
    if y==0:
        print("Can't divide by zero")
        return None
    else:
        return x/y

# function for multiplication -<TBD>

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git branch
  feature-addition
  feature-div
  feature-mult
  feature-sub
* main

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git merge feature-mult
Auto-merging code.py
Merge made by the 'recursive' strategy.
 code.py | 4 +++-
 1 file changed, 3 insertions(+), 1 deletion(-)

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ cat code.py
import argparse

# Getting inpus from user
parser = argparse.ArgumentParser(description="Simple Calculator")
parser.add_argument("action", type=str,
                    help="Choose 'add' for Addition, 'sub' for Subtraction, 'div' for Division, and 'mul' for Multiplication")
parser.add_argument("x", type=float, help="Value of X")
parser.add_argument("y", type=float, help="Value of Y")
args = parser.parse_args()

# function for addition -<TBD>

# function for subtraction -<TBD>

# function for division
def div(x=args.x, y=args.y):
    if y==0:
        print("Can't divide by zero")
        return None
    else:
        return x/y

# function for multiplication
def mul(x=args.x, y=args.y):
    return x * y
```

Deleted the remote branch

```
moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git push origin --delete feature-mult
To https://github.com/riyasmjgeo/edureka-transaction-api.git
 - [deleted]         feature-mult
```

Conflict resolution

Feature sub #3

Merged **riyasmjgeo** merged 4 commits into `main` from `feature-sub` now

| Conversation 0 | Commits 4 | Checks 0 | Files changed 1 |

riyasmjgeo commented 3 minutes ago   Owner ...

Trying to merge subtraction branch to main branch

🙂

Riyas Moidu and others added 4 commits 33 minutes ago

subtraction function completed	d4693be
subtraction function completed	76fd2a1
subtraction completed	91d3845
Merge branch 'main' into feature-sub	Verified	6814be0

riyasmjgeo merged commit `d0ded21` into `main` now   Revert

Pull request successfully merged and closed   Delete branch
You're all set—the `feature-sub` branch can be safely deleted.

Add a comment

| Write | Preview | H B I ≔ <> 🔗 | ≔ ≔ ≔ 📎 @ ⬚ ↩ ⬚

Add your comment here...

📝 Markdown is supported   🖼 Paste, drop, or click to add files

Conflict resolution locally

ncoming ⬦ d0ded21 · origin/main, origin/HEAD

Current ⬦ 9c82a58 · main

```
18
19    # function for division
20    def div(x=args.x, y=args.y):
21        if y==0:
22            print("Can't divide by zero")
23            return None
24        else:
25            return x/y
26
```

```
14
15    # function for division
16    def div(x=args.x, y=args.y):
17        if y==0:
18            print("Can't divide by zero")
19            return None
20        else:
21            return x/y
22
```

Accept Incoming | Accept Combination | Ignore
```
27    # function for multiplication -<TBD>
28
29    result = eval(f"{args.operation}()")
30    print(f"The action {args.operation} between {args.x} and {args.y} resulted i
31
```

Accept Current | Accept Combination | Ignore
```
23    # function for multiplication
24    def mul(x=args.x, y=args.y):
25        return x * y
26
```

Result code.py   1 Conflict Remaining ↺

```
18
19    # function for division
20    def div(x=args.x, y=args.y):
21        if y==0:
22            print("Can't divide by zero")
23            return None
24        else:
25            return x/y
26
```
No Changes Accepted
```
27    # function for multiplication -<TBD>
```

Removed all unwanted branches

```
moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git branch
  feature-addition
  feature-div
  feature-sub
* main

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git branch -d feature-addition
Deleted branch feature-addition (was f362c99).

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git branch -d feature-div
Deleted branch feature-div (was 232cb23).

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git branch -d feature-sub
Deleted branch feature-sub (was 91d3845).

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git branch
* main

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git branch -l
* main

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git branch -a
* main
  remotes/origin/HEAD -> origin/main
  remotes/origin/feature-addition
  remotes/origin/feature-div
  remotes/origin/feature-sub
  remotes/origin/main

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git push origin --delete feature-addition
To https://github.com/riyasmjgeo/edureka-transaction-api.git
 - [deleted]         feature-addition

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git push origin --delete feature-div
To https://github.com/riyasmjgeo/edureka-transaction-api.git
 - [deleted]         feature-div

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git push origin --delete feature-sub
To https://github.com/riyasmjgeo/edureka-transaction-api.git
 - [deleted]         feature-sub

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git branch -l
* main

moidu.riyas@HYD-MJRIYAS MINGW64 ~/Desktop/Edureka/edureka-transaction-api (main)
$ git branch -a
* main
  remotes/origin/HEAD -> origin/main
  remotes/origin/main
```