

SUBMISSION REPORT

CHALLENGE-1

Added name and roll number to PARTICIPANTS.md

```
commit f67a2231994177f7252ed2777b903d176cf4bc10 (origin/challenge1, challenge1)
Author: biswadeep25 <b21041@students.iitmandi.ac.in>
Date: Sat Dec 18 12:13:34 2021 +0530

    added my name
```

CHALLENGE-2

Merged version1 from upstream to challenge2 branch

```
PS C:\Users\Dell\Gith\GitHero_2022> git log
commit dd2524e2cdaa991d5fb85c674f9e54949c4ece8e (HEAD -> challenge2)
Merge: f67a223 9a68f36
Author: biswadeep25 <b21041@students.iitmandi.ac.in>
Date: Sat Dec 18 12:54:01 2021 +0530

    Merge remote-tracking branch 'upstream/version1' into challenge2

commit 9a68f36a252f9d933855f18b5d6c988e0d793c91 (upstream/version1)
Merge: eae938e e4743a3
Author: Rijul Jain <jrijul1201@gmail.com>
Date: Sat Dec 18 12:21:05 2021 +0530
```

CHALLENGE-3

Changed score from 1000 to 0

```
def main():  
  
    screen, game_images, game_sounds = initGame()  
  
    pygame.mixer.music.load(cfg.AUDIO_PATHS['bgm'])  
    pygame.mixer.music.play(-1, 0.0)  
  
    font = pygame.font.Font(cfg.FONT_PATH, 40)  
  
    hero = Hero(game_images['hero'], position=(375, 520))  
  
    food_sprites_group = pygame.sprite.Group()  
    generate_food_freq = random.randint(10, 20)  
    generate_food_count = 0  
  
    score = 0  
    highest_score = 0 if not os.path.exists(cfg.HIGHEST_SCORE_RECORD_FILEPATH) else int(open(cfg.HIGHEST_SCORE_RECORD_FILEPATH).read())  
  
    clock = pygame.time.Clock()
```

```
PS C:\Users\Dell\GitH\GitHero_2022> git checkout -b "challenge3"  
Switched to a new branch 'challenge3'  
PS C:\Users\Dell\GitH\GitHero_2022> git add game.py  
PS C:\Users\Dell\GitH\GitHero_2022> git status  
On branch challenge3  
Changes to be committed:  
  (use "git restore --staged <file>..." to unstage)  
        modified:   game.py  
  
PS C:\Users\Dell\GitH\GitHero_2022> git commit -m "fixed bug"  
  
1 file changed, 1 insertion(+), 1 deletion(-)
```

CHALLENGE-4

Reset Repository one commit back

```
PS C:\Users\Dell\Gith\GitHero_2022> git reset --hard dd2524e2cdaa991d5f
HEAD is now at dd2524e Merge remote-tracking branch 'upstream/version1'
```

```
PS C:\Users\Dell\Gith\GitHero_2022> git log --oneline
dd2524e (HEAD -> challenge4, origin/challenge2, challenge2) Merge remote-tracking branch 'upstream/version1' into challenge2
9a68f36 (upstream/version1) Merge remote-tracking branch 'origin' into version1
f67a223 (origin/challenge1, challenge1) added my name
e4743a3 (origin/master, origin/HEAD, master) Update README.md
```

Changes since Challenge 3

```
PS C:\Users\Dell\Gith\GitHero_2022> git diff challenge3
diff --git a/game.py b/game.py
index ffe8f02..be11061 100644
--- a/game.py
+++ b/game.py
@@ -49,7 +49,7 @@ def main():
     generate_food_freq = random.randint(10, 20)
     generate_food_count = 0

-    score = 0
+    score = 1000^M
     highest_score = 0 if not os.path.exists(cfg.HIGHEST_SCORE_RECORD_FILEPATH) else int(open(
cfg.HIGHEST_SCORE_RECORD_FILEPATH).read())

    clock = pygame.time.Clock()
```

Reset using commithash

```
PS C:\Users\Dell\Gith\GitHero_2022> git reset --hard dfba33ac2985a7e65b
HEAD is now at dfba33a fixed bug
```

```
PS C:\Users\Dell\Gith\GitHero_2022> git log --oneline
dfba33a (HEAD -> challenge4, origin/challenge3, challenge3) fixed bug
dd2524e (origin/challenge2, challenge2) Merge remote-tracking branch 'upstream/version1' into challenge2
9a68f36 (upstream/version1) Merge remote-tracking branch 'origin' into version1
f67a223 (origin/challenge1, challenge1) added my name
e4743a3 (origin/master, origin/HEAD, master) Update README.md
```

CHALLENGE-5

Creating Vicku.txt and adding required text and committing

```
PS C:\Users\Dell\Gith\GitHero_2022> git add Vicku.txt
PS C:\Users\Dell\Gith\GitHero_2022> git commit -m "Vicku is the best"
[challenge5 7fec62e] Vicku is the best
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Vicku.txt
PS C:\Users\Dell\Gith\GitHero_2022> git add Vicku.txt
PS C:\Users\Dell\Gith\GitHero_2022> git commit -m "Vicku is the best"
[challenge5 2d6cbf3] Vicku is the best
1 file changed, 1 insertion(+)
PS C:\Users\Dell\Gith\GitHero_2022> git add Vicku.txt
PS C:\Users\Dell\Gith\GitHero_2022> git commit -m "Vicku is the best"
[challenge5 d5c80ee] Vicku is the best
1 file changed, 2 insertions(+), 1 deletion(-)
PS C:\Users\Dell\Gith\GitHero_2022> git add Vicku.txt
PS C:\Users\Dell\Gith\GitHero_2022> git commit -m "Vicku is the best"
[challenge5 0bc044c] Vicku is the best
1 file changed, 2 insertions(+), 1 deletion(-)
```

```
PS C:\Users\Dell\Gith\GitHero_2022> git log --oneline
0bc044c (HEAD -> challenge5) Vicku is the best
d5c80ee Vicku is the best
2d6cbf3 Vicku is the best
7fec62e Vicku is the best
dfba33a (origin/challenge4, origin/challenge3, challenge4, challenge3) fixed bug
dd2524e (origin/challenge2, challenge2) Merge remote-tracking branch 'upstream/version1' into challenge2
9a68f36 (upstream/version1) Merge remote-tracking branch 'origin' into version1
f67a223 (origin/challenge1, challenge1) added my name
e4743a3 (origin/master, origin/HEAD, master) Update README.md
```

Using Git Rebase commands

```
PS C:\Users\Dell\Gith\GitHero_2022> git log --oneline
cf0d160 (HEAD -> challenge5) Vicku is the best
dfba33a (origin/challenge4, origin/challenge3, challenge4, challenge3) fixed bug
dd2524e (origin/challenge2, challenge2) Merge remote-tracking branch 'upstream/version1' into challenge2
9a68f36 (upstream/version1) Merge remote-tracking branch 'origin' into version1
f67a223 (origin/challenge1, challenge1) added my name
e4743a3 (origin/master, origin/HEAD, master) Update README.md
```


Pushing challenge5

```
PS C:\Users\Dell\Gith\GitHero_2022> git push origin challen
ge5
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 315 bytes | 315.00 KiB/s, done
.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'challenge5' on GitHub by visiting:
remote:   https://github.com/biswadeep25/GitHero_2022/pull/new/chall
remote:
To https://github.com/biswadeep25/GitHero_2022
* [new branch]      challenge5 -> challenge5
```

CHALLENGE-6

Difference in challenge5 before using git stash

```
PS C:\Users\Dell\Gith\GitHero_2022> git diff
diff --git a/cfg.py b/cfg.py
index d47b3c9..ef7b06c 100644
--- a/cfg.py
+++ b/cfg.py
@@ -3,7 +3,7 @@ import os
IMAGE_PATHS = {
    'gold': os.path.join(os.getcwd(), 'resources/images/gold.png'),
    'apple': os.path.join(os.getcwd(), 'resources/images/apple.png'),
-   'background': os.path.join(os.getcwd(), 'resources/images/background2.jpg'),
+   'background': os.path.join(os.getcwd(), 'resources/images/iit-mandi.jpg'),
    'hero': [os.path.join(os.getcwd(), 'resources/images/%d.png' % i) for i in range(1, 11)]
}
```

Applying changes in branch challenge6 from stash

```
PS C:\Users\Dell\Gith\GitHero_2022> git log --oneline
460b7e4 (HEAD -> challenge6, origin/challenge6) Changed image using git stash
cf0d160 (origin/challenge5, challenge5) Vicku is the best
dfba33a (origin/challenge4, origin/challenge3, challenge4, challenge3) fixed bug
dd2524e (origin/challenge2, challenge2) Merge remote-tracking branch 'upstream/version1' into
challenge2
9a68f36 (upstream/version1) Merge remote-tracking branch 'origin' into version1
f67a223 (origin/challenge1, challenge1) added my name
e4743a3 (origin/master, origin/HEAD, master) Update README.md
```

```
PS C:\Users\Dell\Gith\GitHero_2022> git add cfg.py
PS C:\Users\Dell\Gith\GitHero_2022> git commit -m "Changed image using
[challenge6 460b7e4] Changed image using git stash
1 file changed, 1 insertion(+), 1 deletion(-)
PS C:\Users\Dell\Gith\GitHero_2022> git stash list
PS C:\Users\Dell\Gith\GitHero_2022> git push origin challenge6
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 319 bytes | 319.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
remote:
remote: Create a pull request for 'challenge6' on GitHub by visiting:
remote:   https://github.com/biswadeep25/GitHero_2022/pull/new/chall
remote:
To https://github.com/biswadeep25/GitHero_2022
* [new branch]   challenge6 -> challenge6
```

CHALLENGE-7

Fetching challenge-7 from upstream

```
PS C:\Users\Dell\Gith\GitHero_2022> git checkout -b "challenge7"
PS C:\Users\Dell\Gith\GitHero_2022> git fetch upstream challenge-7
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 3), reused 5 (delta 2), pack-reused 0
Unpacking objects: 100% (6/6), 602 bytes | 24.00 KiB/s, done.
From https://github.com/KamandPrompt/GitHero_2022
* branch                challenge-7 -> FETCH_HEAD
* [new branch]          challenge-7 -> upstream/challenge-7
```

Changes implemented while merging conflicts

```
On branch challenge7
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Changes to be committed:
  modified:   .gitignore
  deleted:    modules/__pycache__/__init__.cpython-38.pyc
  deleted:    modules/__pycache__/__init__.cpython-39.pyc
  deleted:    modules/__pycache__/endinterface.cpython-38.pyc
  deleted:    modules/__pycache__/endinterface.cpython-39.pyc
  deleted:    modules/__pycache__/food.cpython-38.pyc
  deleted:    modules/__pycache__/food.cpython-39.pyc
  deleted:    modules/__pycache__/hero.cpython-38.pyc
  deleted:    modules/__pycache__/hero.cpython-39.pyc

Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both modified:   cfg.py
```

Committing after resolution of conflicts

```
PS C:\Users\Dell\Gith\GitHero_2022> git log --oneline
327ffd3 (HEAD -> challenge7, origin/challenge7) rejected Paddu's bking
fa425f3 rejected Paddu's bking
```

Pushing branch challenge7

```
PS C:\Users\Dell\GitH\GitHero_2022> git add cfg.py
PS C:\Users\Dell\GitH\GitHero_2022> git commit -m "rejected Paddu's bking"
[challenge7 327ffd3] rejected Paddu's bking
1 file changed, 1 insertion(+), 1 deletion(-)
PS C:\Users\Dell\GitH\GitHero_2022> git push origin challenge7
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 470 bytes | 470.00 KiB/s, done.
Total 4 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/biswadeep25/GitHero_2022
2351886..327ffd3 challenge7 -> challenge7
```