Scenery Team no.76

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Introduction

- Badlands National Park is an American National Park located in South Dakota.
- The Lakota people call this region "badlands" long ago because of it's rocky terrain lack of water and extreme temperatures.
- Here, an amateur photographer capturing the photos who is very particular at lighting conditions.

Approach

- Taking the number of pictures and time as input.
- The output tells us if we can capture the pictures in a day.
- Approaching the idea of using combinations.

Learnings

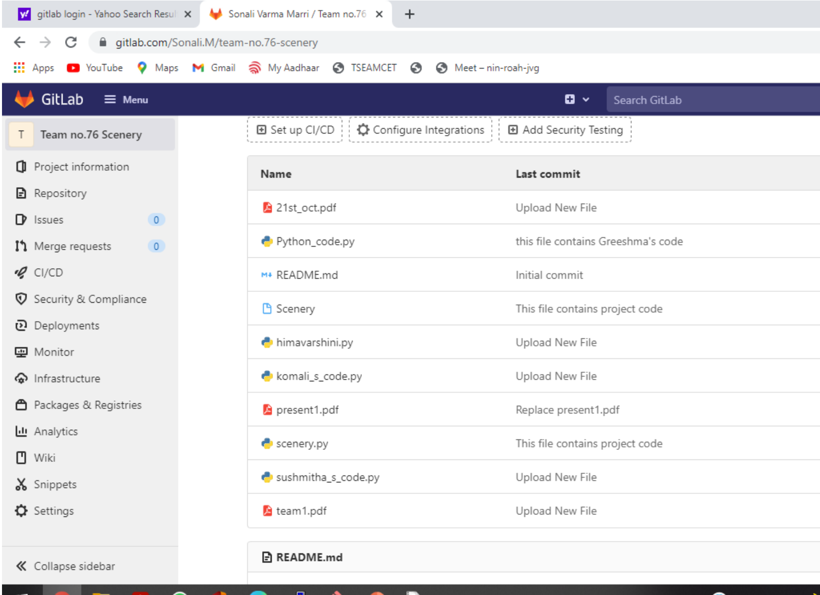
- LaTex
- To create Git lab repository.
- Understood how to approach the problem.
- Learn't uses of different functions.

Challenges

- Had trouble using LaTex - Faced difficulty in running program and how to install packages.
- Had trouble with understanding the second half of the problem statement.
- Faced difficulty in approaching the problem.
- Using functions in program.

GIT Repo

- Screen Shot of Repo.



Name	Last commit
21st_oct.pdf	Upload New File
Python_code.py	this file contains Greeshma's code
README.md	Initial commit
Scenery	This file contains project code
himavarshini.py	Upload New File
komali_s_code.py	Upload New File
present1.pdf	Replace present1.pdf
scenery.py	This file contains project code
sushmitha_s_code.py	Upload New File
team1.pdf	Upload New File

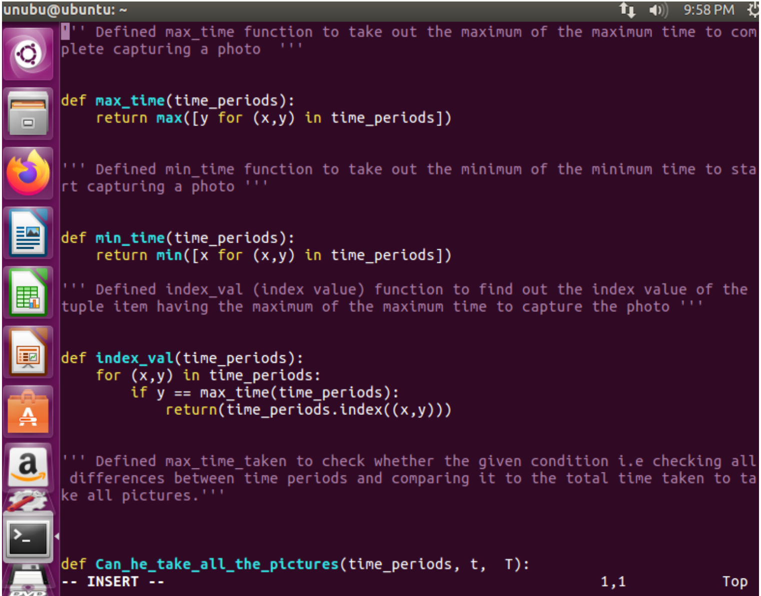
README.md

Statistics

- Number of lines of code:50.
- Number of Functions:8.

Demo picture

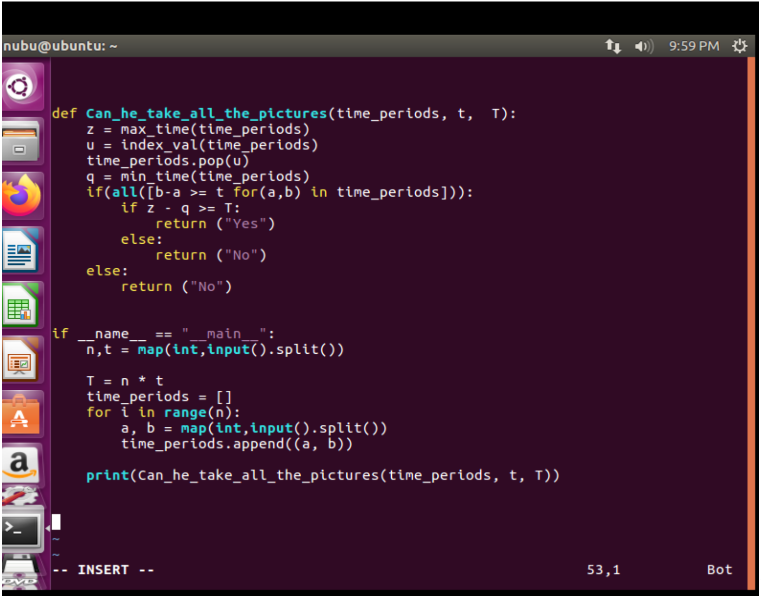
- Demo of the project image.



```
''' Defined max_time function to take out the maximum of the maximum time to com
plete capturing a photo  '''


def max_time(time_periods):
    return max([y for (x,y) in time_periods])


''' Defined min_time function to take out the minimum of the minimum time to sta
rt capturing a photo '''


def min_time(time_periods):
    return min([x for (x,y) in time_periods])

''' Defined index_val (index value) function to find out the index value of the
tuple item having the maximum of the maximum time to capture the photo '''


def index_val(time_periods):
    for (x,y) in time_periods:
        if y == max_time(time_periods):
            return(time_periods.index((x,y)))


''' Defined max_time_taken to check whether the given condition i.e checking all
 differences between time periods and comparing it to the total time taken to ta
ke all pictures.'''



def Can_he_take_all_the_pictures(time_periods, t,  T):
-- INSERT --                                                  1,1           Top
```

Demo picture

- Demo of the project image.



```
def Can_he_take_all_the_pictures(time_periods, t,  T):
    z = max_time(time_periods)
    u = index_val(time_periods)
    time_periods.pop(u)
    q = min_time(time_periods)
    if(all([b-a >= t for(a,b) in time_periods])):
        if z - q >= T:
            return ("Yes")
        else:
            return ("No")
    else:
        return ("No")


if __name__ == "__main__":
    n,t = map(int,input().split())

    T = n * t
    time_periods = []
    for i in range(n):
        a, b = map(int,input().split())
        time_periods.append((a, b))

    print(Can_he_take_all_the_pictures(time_periods, t, T))


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-- INSERT --                                                    53,1          Bot
```

THANK YOU!