DATE:	**30-10-2022**
TEAM ID:	**PNT2022TMID40549**
Project name:	**Nutrition assistant application**

Nutrition management system

```
import datetime


while True:
    def getdate():


        # to get date and time
        return datetime.datetime.now()


    def selectname():


        name = {1: "udhaya", 2: "aravind"}
        b = {1: "Food", 2: "Exercise"}


        for key, value in name.items():


            # taking input of name
            print("Press", key, "for", value, "\n", end="")


        n = int(input("type here.."))


        if n > 2:
            print("error select 1 or 2")
            exit()
        else:
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        return n


def select_file_action():

    a = {1: "Log", 2: "Retrieve"}

    for key, value in a.items():

        # taking input of function that user wants to
        # do (either log or retrieve)
        print("Press", key, "for", value, "\n", end="")

    x = int(input("type here.."))

    if x > 2:
        print("error select 1 or 2")
        exit()
    else:
        return x


def select_task():

    b = {1: "Food", 2: "Exercise"}

    for key, value in b.items():

        # ask user to choose between food
        # and exercise
        print("Press", key, "for", value, "\n", end="")
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    y = int(input("type here.."))

    if y > 2:
        print("error select 1 or 2")
        exit()
    else:
        return y


def action(n, x, y):

    # condition no 1
    if n == 1 and x == 1 and y == 1:
        value = input("type here\n")

        with open("udhaya food.txt", "a") as udhaya_food:

            # printing date and time
            udhaya_food.write(str([str(getdate())]) + ": " + value + "\n")
            print("successfully written")

    # condition no 2
    elif n == 1 and x == 1 and y == 2:
        value = input("type here\n")

        # printing date and time
        with open("udhaya.txt", "a") as udhaya_exercise:

            # printing date and time
            udhayaexercise.write(str([str(getdate())]) + ": " + value + "\n")
```

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        print("successfully written")

# condition 3
elif n == 2 and x == 1 and y == 1:
    value = input("type here\n")

    # printing date and time
    with open("aravind food.txt", "a") as aravindfood:

        # printing date and time
        aravindfood.write(str([str(getdate())]) + ": " + value + "\n")
        print("successfully written")

# condition 4
elif n == 2 and x == 1 and y == 2:
    value = input("type here\n")

    # printing date and time
    with open("aravind exercise.txt", "a") as aravindexercise:

        # printing date and time
        aravindexercise.write(str([str(getdate())]) + ": " + value + "\n")
        print("successfully written")

# condition 5
elif n == 1 and x == 2 and y == 1:

    # printing date and time
    with open("udhaya food.txt", "r") as udhayafood:
        a = udhayafood.read()
        print(a)
```

```
    # condition no 6
    elif n == 1 and x == 2 and y == 2:

        # printing date and time
        with open("udhaya exercise.txt", "r") as udhayaexercise:
            a = udhayaexercise.read()
            print(a)

    # condition no 7
    elif n == 2 and x == 2 and y == 1:

        # printing date and time
        with open("aravind food.txt", "r") as aravindfood:
            a = aravindfood.read()
            print(a)

    # condition no 8
    elif n == 2 and x == 2 and y == 2:

        # printing date and time
        with open("aravind exercise.txt", "r") as aravindexercise:
            a = aravindexercise.read()
            print(a)


n = selectname()
x = select_file_action()
y = select_task()
action(n, x, y)
```