

NUMBER GUESSING GAME

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import fontstyle
import random
flag=False
print(fontstyle.apply("GUESS THE
NUMBER\n",'bold/Italics/black/purple_bg'))
print(fontstyle.apply("Choose your mode:",'bold/red'))
print("1.Hard\n2.Medium\n3.Easy")
choice=int(input("Enter your choice: "))
if choice==1:
    computer_choice=random.randint(1,100)
    chance=1
    while chance<=5:
        print("This is chance",chance)
        users_choice=int(input("Enter the number: "))
        if computer_choice==users_choice:
            flag=True
            print(fontstyle.apply("YOU WIN!!!",'bold/green'))
            break;
        else:
            print(fontstyle.apply("WRONG\n",'bold/red'))
            if computer_choice>users_choice:
                print("Your choice is low")
            else:
                print("Your choice is high")
            print("you have",5-chance,"chance left")

    chance+=1
if flag==False:
    print("CORRECT ANSWER IS",computer_choice)
    print(fontstyle.apply("BETTER LUCK NEXT TIME",'red'))
elif choice==2:
    computer_choice=random.randint(1,100)
    if computer_choice%2==0:
        print(fontstyle.apply("It's an even number",'green'))
    else:
        print(fontstyle.apply("It's an odd number",'green'))
    if computer_choice%5==0:
        print(fontstyle.apply("The number is multiple of 5",'green'))
    else:
        print(fontstyle.apply("The number is not a multiple of 5",'green'))
    chance=1
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while chance<=5:
    print("This is chance",chance)
    users_choice=int(input("Enter the number: "))
    if computer_choice==users_choice:
        flag=True
        print(fontstyle.apply("YOU WIN!!!",'bold/green'))
        break;
    else:
        print(fontstyle.apply("WRONG NUMBER\n",'bold/red'))
        if computer_choice>users_choice:
            print("Your choice is low")
        else:
            print("Your choice is high")
            print("you have",5-chance,"chance left")

    chance+=1
if flag==False:
    print("CORRECT ANSWER IS",computer_choice)
    print(fontstyle.apply("BETTER LUCK NEXT TIME",'red'))
elif choice==3:
    computer_choice=random.randint(1,100)
    if computer_choice%2==0:
        print(fontstyle.apply("It's an even number",'green'))
    else:
        print(fontstyle.apply("It's an odd number",'green'))
    if computer_choice<=50:
        print(fontstyle.apply("The number is in between 1 and 50",'green'))
    else:
        print(fontstyle.apply("The number is in between 51 and 100",'green'))
    if computer_choice%5==0:
        print(fontstyle.apply("The number is multiple of 5",'green'))
    else:
        print(fontstyle.apply("The number is not a multiple of 5",'green'))
    if computer_choice%3==0:
        print(fontstyle.apply("The number is multiple of 3",'green'))
    else:
        print(fontstyle.apply("The number is not a multiple of 3",'green'))
    chance=1
while chance<=5:
    print("This is chance",chance)
    users_choice=int(input("Enter the number: "))
    if computer_choice==users_choice:
        flag=True
        print(fontstyle.apply("YOU WIN!!!",'bold/green'))

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    break;
else:
    print(fontstyle.apply("WRONG NUMBER\n",'bold/red'))
    if computer_choice>users_choice:
        print("Your choice is low")
    else:
        print("Your choice is high")
        print("you have",5-chance,"chance left")

    chance+=1
if flag==False:
    print("CORRECT ANSWER IS",computer_choice)
    print(fontstyle.apply("BETTER LUCK NEXT TIME",'red'))
else:
    print("Please Enter a valid choice")
```

OUTPUT:

GUESS THE NUMBER

Choose your mode:

- 1.Hard
- 2.Medium
- 3.Easy

Enter your choice: 3

It's an odd number

The number is in between 1 and 50

The number is not a multiple of 5

The number is multiple of 3

This is chance 1

Enter the number: 21

YOU WIN!!!

GUESS THE NUMBER

Choose your mode:

- 1.Hard
- 2.Medium
- 3.Easy

Enter your choice: 2

It's an even number

The number is not a multiple of 5

This is chance 1

Enter the number: 44

WRONG NUMBER

Your choice is low

This is chance 2

Enter the number: 88

WRONG NUMBER

Your choice is high

you have 3 chance left

This is chance 3

Enter the number: 56

WRONG NUMBER

Your choice is low

This is chance 4

Enter the number: 78

WRONG NUMBER

Your choice is high

you have 1 chance left

This is chance 5

Enter the number: 66

WRONG NUMBER

Your choice is low

CORRECT ANSWER IS 74

BETTER LUCK NEXT TIME

GUESS THE NUMBER

Choose your mode:

- 1.Hard
- 2.Medium
- 3.Easy

Enter your choice: 1

This is chance 1

Enter the number: 57

WRONG

Your choice is high

you have 4 chance left

This is chance 2

Enter the number: 29

YOU WIN!!!