LEVEL GAME

This is a fun game which is called a "LEVEL GAME". The player will be given a chance to play three games. As the level increases, the difficulty level of the game also increases. In level 1, the user has to give upper and lower bounds and then the compiler chooses a random number which the user has to select within some chances; more the difference between the upper and lower bound will be the chances. Now level 2 is a Movie guessing game where the user has to guess the letters of a movie .but here the number of guesses is only 5. On every wrong guess, the chances decrease. Level 3 is guessing the riddle where there is only 1 chance to give the correct answer and there will be 10 questions. At last, your scores will be scored.

BY:

Name- Parnani Panda

Email Id -parnanipanda18@gmail.com

Course - Python

CODE

```python
import random
import math

name = input("Enter your Name : ")

def level1():
    print("Hello", name)
    print("In this level 1 game you have to choose a number between your
chosen lower & upper bound.")
    print("\n")

    lower = int(input("Enter Lower bound:- "))
    upper = int(input("Enter Upper bound:- "))
    x = random.randint(lower, upper)
    max = math.log(upper - lower + 1, 2)
    print("\n\tYou've only ", round(max),
            " chances to guess the integer!\n")

    count = 0
    while count < max:
        count += 1
        guess = int(input("Guess a number:- "))
        if x == guess:
            print("Congratulations you did it in ", count, " try")
            break
        elif x > guess:
            print("You guessed too small!")
        elif x < guess:
            print("You Guessed too high!")

    if count >= max:
        print("\nThe number is %d" % x)
        print("\tBetter Luck Next time!")

def level2():
    print("This is the movie guessing game .. We will let you dive to the
world of bollywood..||Damsaraj||")
    print("            [You will only be provided with 5 chances to guess the
movie]      ")
    print("\n")

    print("GET SET GO!!!!!")
    words = ['brahmastra', 'welcome', 'padmavaat',
```

```python
'sholay','Black','Lagaan','3 Idiots','Taare Zameen Par','Rang De Basanti',
          'Chakde! India','Border','Sholay','Dil Chahta
Hai','Haider','Bhaag Milkha Bhaag','Guru','Sarkar','Lage Raho Munna Bhai',
          'Omkara','Dev D','Ek Hasina Thi','Andaz Apna
Apna','Zakhm','DDLJ','Vicky Donor','Gangs of Wasseypur','Guzaarish','Barfi',
          'Masoom','A Wednesday','Udaan','Dor','Queen','The Dirty
Picture','Astitva','OMG: Oh My God','Page 3','Paan Singh Tomar',
          'Paa','Shaurya','Viruddh','The
Lunchbox','Kahaani','Iqbal','Khakee','Kaminey','Monsoon Wedding','Madras
Cafe',
          'No One Killed Jessica','Lakshay','The Legend of Bhagat
Singh','Yuva','English Vinglish','Dushman',]

    word = random.choice(words).lower()
    print("The word is of ", len(word), " letters")

    print("Guess the characters")

    guesses = ''
    for i in range(len(word)):
        if(word[i]==' '):
            guesses = guesses[:i] + ' ' + guesses[i + 1:]
        else:
            guesses = guesses[:i] + '-' + guesses[i + 1:]
    turns = 5

    while turns > 0:
        if word == guesses:
            print("You Win")
            print("The word is: ", word)
            break

        print()
        print(guesses)
        guess = input("Guess a character:").lower()
        flag = -1
        for l in range(len(word)):
            if guess == word[l]:
                flag = l
                for m in guesses:
                    if guess == m:
                        flag = -1
        if(flag == -1):
            turns -= 1
            print("Wrong")
            print("You have", +turns, "more guesses")
```

```python
            if turns == 0:
                print("You Lose")
                print("The word is: ", word)
                break
        else:
            for l in range(len(word)):
                if guess == word[l]:
                    guesses = guesses[:l] + guess + guesses[l + 1:]

def level3():
    print("Now its the riddle time !!!! LETS CHECK YOUR IQ")

    print("\n")
    score = 0
    # questions
    def question(string, answer, score):
        ans = input(string).lower()
        if ans == answer:
            print("Correct!")
            return score + 1
        else:
            print("The answer is",answer,"not",ans)
        return score

    score = question("1. What has a neck but no head??","shirt",score)
    score = question("2. What has a thumb and four fingers, but isn't
alive??","glove",score)
    score = question("3. A father's child, a mother's child, yet no one's
son. Who am I?","daughter",score)
    score = question("4. What gets shorter as it grows
older?","candle",score)
    score = question("5. What runs around a whole yard without
moving?","fence",score)
    score = question('6. What begins with an "e" and only contains one
letter?',"envelope",score)
    score = question("7. What five-letter word becomes shorter when you add
two letters to it?","short",score)
    score = question("8. What has many keys but cannot open a single
lock?","keyboard",score)
    score = question("9. What has a head and a tail but no
body?","coin",score)
    score = question("10. What is full of holes but still holds
water?","sponge",score)

    print("Score = ", score, "/10")
```

```python
print("--------------------------------------------WELCOME TO THIS LEVEL
GAME----------------------------------------------------")
print("GET SET GO!!!!!")
print("\n")
print("**** LEVEL 1****")
level1()

print("\n")
print("**** LEVEL 2****")
print("It is nice seeing you in Level 2")
level2()

print("\n")

print("**** LEVEL 3****")
print("Finally ", name, "you reached the Level 3")
level3()

while 1:
    print("1: Number guessing game")
    print("2: Movie guessing game")
    print("3: Riddle quiz game")
    choice = input("Choose which level number to play (random key to exit):
")
    if choice == '1':
        level1()
    elif choice == '2':
        level2()
    elif choice == '3':
        level3()
    else:

print("--------------------------------------------------------------------
----------------------")
        print("THANK YOU VERY MUCH FOR PLAYING WITH US", name)
        exit()
```