MY PYTHON CODES

1.IF STATEMENT

has\_good\_income = True  
has\_good\_credit = False  
  
  
if has\_good\_income and has\_good\_credit:  
 print ("Eligible for Loan")  
elif has\_good\_income and not has\_good\_credit:  
 print ("You are 50% Eligible")  
elif not has\_good\_income and has\_good\_credit:  
 print ("You are 75% Eligible")  
else:  
 print ("sorry you are not Eligible")

1. COMPARISON OPERATORS

temp = input("what is your temperature")  
  
if temp > str(30):  
 print("it is a hot Day")  
else:  
 print("it is cold Day")

temperature = 35  
  
if temperature > 30:  
 print("The Weather is Hot")  
else :  
 print("The weather is just right")

name = 25  
  
if name < 3:  
 print("Name must be atleast 3 characters long")  
elif name > 50:  
 print("Name can be maximum of 50 characters long")  
else :  
 print("Name looks good!")

NAME LENGTH COUNTER EXAMPLE

name = input("What is your name?")  
  
  
  
  
if len(name) < 3:  
 print("Name must be 3 characters Long")  
elif len(name) > 30:  
 print("Name must contain a maximum of 15 characters long")  
else :  
 print("Name Looks Good")

WEIGHT CONVERTER EXAMPLE

weight = int (input('Weight: '))  
unit = input('(L)bs or (K)g: ')  
  
if unit.upper() == "L":  
 converted = weight \* 0.45  
 print(f"You are {converted} kilos")  
elif unit.upper() == "K":  
 converted = weight / 0.45  
 print(f"you are {converted} Pounds")  
else :  
 print ("Enter a valid Weight Letter")

WHILE LOOP

i = 1  
while i<=5:  
 print(i)  
 i = i + 1  
  
print ("Done")

A GUESS GAME USING WHILE LOOP

secretNum = 6  
guessCount = 0  
guessLimit = 3  
while guessCount < guessLimit:  
 guess = int(input("Guess: "))  
 guessCount +=1  
 if guess == secretNum:  
 print("You won, Well Done!!")  
 break  
else:  
 print("Sorry Wrong Guess, You failed!")

CAR GAME USING WHILE LOOP

command = ""  
  
  
while True:  
 command = input("> ").upper()  
 if command == "START":  
 print ("Car Started......")  
 elif command == "STOP":  
 print("Car Stopped.")  
 elif command == "HELP":  
 print (""""  
 START- To Start The Car  
 STOP- To Stop The Car  
 QUIT- To Quit   
 """)  
 elif command == "QUIT":  
 break  
 else:  
 print ("Sorry i don't understand that")

MODIFIED CAR GAME USING WHILE LOOP

command = ""  
started = False  
  
  
while True:  
 command = input(">>> ").upper()  
 if command == "START":  
 if started:  
 print ("Car is already strted..")  
 else:  
 started = True  
 print ("Car Started......")  
 elif command == "STOP":  
 if not started:  
 print("Car is already Stopped")  
 else:  
 started = False  
 print("Car Stopped.")  
 elif command == "HELP":  
 print (""""  
 START- To Start The Car  
 STOP- To Stop The Car  
 QUIT- To Quit   
 """)  
 elif command == "QUIT":  
 break  
 else:  
 print ("Sorry i don't understand that")