**Charan Kumar K R**

**Rajarajeshwari college of engeneering**

**ASSIGNMENT:1**

1)fullname=input("Enter the player fullname: ")

birth\_date=int(input("Enter the birthdate: "))

birth\_month=int(input("Enter the birthmonth: "))

birth\_year=int(input("Enter the birthyear: "))

profession=input("Enter the profession: ")

batting\_hand=input("Enter the battinghand: ")

print(f"{fullname}born{birth\_date}{birth\_month}{birth\_year}\n {profession}who plays as a{batting\_hand}")

output:

Enter the player fullname: charan

Enter the birthdate: 20

Enter the birthmonth: 07

Enter the birthyear: 2003

Enter the profession: cricket

Enter the battinghand: right

ASSIGNMENT:2

story = """

Once upon a time in a small village, there lived a kind girl named Lily.

She loved exploring the forest near her home. One day, she found a wounded bird and decided to take care of it.

With patience and love, Lily helped the bird recover, and soon it was able to fly again.

The bird chirped happily and flew away, but every morning, it returned to sing a song for Lily as a thank-you.

"""

# Convert story to a single-line string

story\_string = story.replace("\n", " ")

print(story\_string)

OUTPUT:

Once upon a time in a small village, there lived a kind girl named Lily. She loved exploring the forest near her home. One day, she found a wounded bird and decided to take care of it. With patience and love, Lily helped the bird recover, and soon it was able to fly again. The bird chirped happily and flew away, but every morning, it returned to sing a song for Lily as a thank-you.

**ASSIGNMENT:3**

# GST Calculation

total = 1000

gst\_percentage = 10

gst\_amount = (total \* gst\_percentage) / 100

total\_with\_gst = total + gst\_amount

print(f"Total: {total}, GST: {gst\_percentage}%, GST Amount: {gst\_amount}, Total with GST: {total\_with\_gst}")

OUTPUT:

Total: 1000, GST: 10%, GST Amount: 100.0, Total with GST: 1100.0

ASSIGNMENT:4

print("You find yourself standing at the entrance of a dark cave.")

choice1 = input("Do you enter the cave? (yes/no): ")

if choice1.lower() == "yes":

print("You step inside and hear a growl echoing through the cave.")

choice2 = input("Do you run back or move forward? (run/forward): ")

if choice2.lower() == "forward":

print("You bravely walk forward and find a treasure chest!")

choice3 = input("Do you open it? (yes/no): ")

if choice3.lower() == "yes":

print("Congratulations! You found gold and jewels!")

else:

print("You leave the chest and safely exit the cave.")

else:

print("You run out of the cave and escape unharmed.")

else:

print("You decide it's too risky and walk away.")

print("As you turn away from the cave, you notice a hidden path in the forest.")

choice4 = input("Do you follow the path? (yes/no): ")

if choice4.lower() == "yes":

print("You follow the path and discover an abandoned hut.")

choice5 = input("Do you enter the hut? (yes/no): ")

if choice5.lower() == "yes":

print("Inside the hut, you find an old map leading to another treasure!")

else:

print("You decide not to enter and continue your journey.")

else:

print("You choose to return home, ending your adventure.")

OUTPUT:

You find yourself standing at the entrance of a dark cave.

Do you enter the cave? (yes/no): yes

You step inside and hear a growl echoing through the cave.

Do you run back or move forward? (run/forward): yes

You run out of the cave and escape unharmed.

As you turn away from the cave, you notice a hidden path in the forest.

Do you follow the path? (yes/no): yes

You follow the path and discover an abandoned hut.

Do you enter the hut? (yes/no): yes

Inside the hut, you find an old map leading to another treasure!

ASSIGNMENT:5

def check\_number(num):

if num > 0:

print("The number is positive.")

elif num < 0:

print("The number is negative.")

else:

print("The number is zero.")

def check\_even\_odd(num):

if num % 2 == 0:

print("The number is even.")

else:

print("The number is odd.")

def grade\_student(score):

if score >= 90:

print("Grade: A")

elif score >= 80:

print("Grade: B")

elif score >= 70:

print("Grade: C")

elif score >= 60:

print("Grade: D")

else:

print("Grade: F")

def check\_voting\_eligibility(age):

if age >= 18:

print("You are eligible to vote.")

else:

print("You are not eligible to vote.")

# Example usage

num = int(input("Enter a number: "))

check\_number(num)

check\_even\_odd(num)

score = int(input("Enter your score: "))

grade\_student(score)

age = int(input("Enter your age: "))

check\_voting\_eligibility(age)

# Bonus condition: checking leap year

year = int(input("Enter a year: "))

if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):

print("It's a leap year.")

else:

print("It's not a leap year.")

OUTPUT:

Enter a number: 1

The number is positive.

The number is odd.

Enter your score: 3

Grade: F

Enter your age: 12

You are not eligible to vote.

Enter a year: 2003

It's not a leap year.