

Task 2(Intermediate Level):

Web Scraper: Extract data from websites using libraries like BeautifulSoup or Scrapy.

```
import requests

from bs4 import BeautifulSoup

url = "http://quotes.toscrape.com/"

response = requests.get(url)

soup = BeautifulSoup(response.text, 'html.parser')

quotes = soup.find_all('div', class_='quote')

print("Top Quotes:\n")

for quote in quotes:

    text = quote.find('span', class_='text').text

    author = quote.find('small', class_='author').text

    print(f"{text} — {author}")
```

```
C:\Users\Lenovo\Desktop\ShadowFox\Intermediate\1>python 1.py
Top Quotes:

"The world as we have created it is a process of our thinking. It cannot be changed without changing our thinking." – Al
bert Einstein
"It is our choices, Harry, that show what we truly are, far more than our abilities." – J.K. Rowling
"There are only two ways to live your life. One is as though nothing is a miracle. The other is as though everything is
a miracle." – Albert Einstein
"The person, be it gentleman or lady, who has not pleasure in a good novel, must be intolerably stupid." – Jane Austen
"Imperfection is beauty, madness is genius and it's better to be absolutely ridiculous than absolutely boring." – Marily
n Monroe
"Try not to become a man of success. Rather become a man of value." – Albert Einstein
"It is better to be hated for what you are than to be loved for what you are not." – André Gide
"I have not failed. I've just found 10,000 ways that won't work." – Thomas A. Edison
"A woman is like a tea bag; you never know how strong it is until it's in hot water." – Eleanor Roosevelt
"A day without sunshine is like, you know, night." – Steve Martin

C:\Users\Lenovo\Desktop\ShadowFox\Intermediate\1>
```

2. Hangman: Implement the wordguessing game with visual progress and hints.

```
import random

words_with_hints = {

    "python": "A popular programming language.",

    "elephant": "The largest land animal.",
```

```
"guitar": "A string musical instrument.",  
"astronaut": "A person trained for space travel.",  
"pizza": "An Italian dish loved by many."  
}
```

```
hangman_stages = [  
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```
word, hint = random.choice(list(words_with_hints.items()))
```

```
guessed = ["_"] * len(word)
```

```
used_letters = []
```

```
lives = len(hangman_stages) - 1
```

```
print("👋 Welcome to Hangman!")
```

```
print("Hint:", hint)
```

```
while lives > 0 and "_" in guessed:
```

```
    print("\n" + hangman_stages[len(hangman_stages) - 1 - lives])
```

```
    print("Word:", " ".join(guessed))
```

```
    print("Used letters:", " ".join(used_letters))
```

```
    guess = input("Guess a letter: ").lower()
```

```
    if not guess.isalpha() or len(guess) != 1:
```

```
        print("Please enter a valid single letter.")
```

```
        continue
```

```
    if guess in used_letters:
```

```
        print("You already guessed that letter.")
```

```
        continue
```

```
used_letters.append(guess)
```

```
if guess in word:
```

```
    for i, letter in enumerate(word):
```

```
        if letter == guess:
```

```
            guessed[i] = guess
```

```
    print("✔ Correct guess!")
```

```
else:
```

```
    lives -= 1
```

```
    print("✘ Wrong guess! Lives left:", lives)
```

```
if "_" not in guessed:
```

```
    print("\n🏆 You guessed the word:", word)
```

```
else:
```

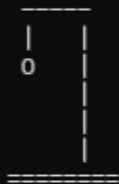
```
    print("\n" + hangman_stages[-1])
```

```
    print("💀 Game Over! The word was:", word)
```

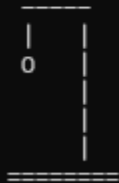
```
C:\Users\Lenovo\Desktop\Shadowfox\Intermediate\1>python 2.py
👤 Welcome to Hangman!
Hint: A string musical instrument.
```



```
Word: _ _ _ _ _
Used letters:
Guess a letter: d
❌ Wrong guess! Lives left: 5
```



```
Word: _ _ _ _ _
Used letters: d
Guess a letter: a
✅ Correct guess!
```



```
Word: _ _ _ _ a _
Used letters: d, a
Guess a letter: |
```