**Source code:**

import os

import shutil

# Directory to store course resources

RESOURCE\_DIR = 'course\_resources'

# Create the directory if it doesn't exist

if not os.path.exists(RESOURCE\_DIR):

os.makedirs(RESOURCE\_DIR)

# Function to upload a file

def upload\_file():

file\_path = input("Enter the path of the file to upload: ")

if not os.path.exists(file\_path):

print("File does not exist. Please try again.")

return

try:

file\_name = os.path.basename(file\_path)

shutil.copy(file\_path, os.path.join(RESOURCE\_DIR, file\_name))

print(f"File '{file\_name}' uploaded successfully.")

except Exception as e:

print(f"Error during file upload: {e}")

# Function to list available resources

def list\_files():

files = os.listdir(RESOURCE\_DIR)

if not files:

print("No resources available.")

return

print("Available resources:")

for idx, file in enumerate(files, start=1):

print(f"{idx}. {file}")

# Function to download a file

def download\_file():

list\_files()

file\_idx = input("\nEnter the number of the file you want to download: ")

try:

files = os.listdir(RESOURCE\_DIR)

file\_choice = files[int(file\_idx) - 1]

destination\_path = input(f"Enter the destination path to save '{file\_choice}': ")

shutil.copy(os.path.join(RESOURCE\_DIR, file\_choice), destination\_path)

print(f"File '{file\_choice}' downloaded successfully to {destination\_path}.")

except (IndexError, ValueError):

print("Invalid file choice.")

except Exception as e:

print(f"Error during file download: {e}")

# Function to display the main menu

def display\_menu():

print("\nCourse Resource Sharing Platform")

print("1. Upload a new resource")

print("2. List available resources")

print("3. Download a resource")

print("4. Exit")

# Main program loop

def main():

while True:

display\_menu()

choice = input("Enter your choice: ")

if choice == '1':

upload\_file()

elif choice == '2':

list\_files()

elif choice == '3':

download\_file()

elif choice == '4':

print("Exiting the platform.")

break

else:

print("Invalid choice. Please try again.")

if \_name\_ == "\_main\_":

main()