Course: Introduction to Data Science (DS2006) - Laboratory 02

Task 1: dice.py Submitted as a file

Task 2:

```
C:/Python312/python.exe "c:/Users/MyUser/Documents/VisualStudioCode/uni/Introduction to Data Science/Week 1/Lab 2/dice.py"
You rolled a 3
C:/Python312/python.exe "c:/Users/MyUser/Documents/VisualStudioCode/uni/Introduction to Data Science/Week 1/Lab 2/dice.py"
You rolled a 4
C:/Python312/python.exe "c:/Users/MyUser/Documents/VisualStudioCode/uni/Introduction to Data Science/Week 1/Lab 2/dice.py"
You rolled a 1
```

Task 3:
When the order of the instructions in the code shown in Figure 2 is changed so that the result is printed before it is defined, a syntax error, more specifically a `NameError,` occurs. This happens when a variable is used before being defined. Syntax errors such as the aforementioned NameError can be caught early automatically by linters like Pylint which is dedicated to Python.

Task 4:
If the program is run without resolving this `NameError`, the below output can be logged on the console.

```
>
    print("You rolled a", result)
                          ^^^^^^
NameError: name 'result' is not defined
```

Task 5-7: Modified dice.py submitted as a file

Task 8:

```
2/dice.py"
Welcome to the game of dice! Press Enter to roll a 20 sided dice!
You rolled a 20 sided dice and got a 2
You rolled a 20 sided dice and got a 4
You rolled a 20 sided dice and got a 18
```