



4.1.1 Random Numbers

1) Write a program that creates a simple Guess the Number game.

The program should:

- randomly choose an integer between 1 and 100, inclusive
- repeatedly ask the user to enter a guess
- output "Higher" if the guess is lower than the random number
- output "Lower" if the guess is higher than the random number
- output "You got it!" when the user guesses the correct number
- continue asking for guesses until the correct number is entered

[6 marks]

2) Write a Python program to generate a sentence of random words:

The program should:

- use the two lists of words provided
- randomly select one word from each list
- combine the two selected words into a sentence
- output the resulting sentence

Use the lists:

```
animals = ["cat", "dog", "rabbit", "penguin"]
actions = ["runs", "jumps", "sleeps", "dances"]
```

The sentence should be in the format:

The <animal> <action>.

[3 marks]

