

Laboratory 8: Preparation

The following are sample questions for the examination. On the day of the examination, you are given three problems whose solutions you need to write down.

(1) Write a program that asks the user for a height in meters. If the height is larger than 7 feet, the program will print out "Basketball player", if the height is between 6 and 7 feet, then program prints out "tall", otherwise it will print out "not so tall".

(2) Write a program that calculates the sum $\sum_{i=2}^{100} \frac{i^2 + 1}{i^2 - 1}$.

(3) Write a function that opens up an html file. It then prints out all lines that start out with "<h1>". This can be done with the string startswith method.

(4) Write a function that takes a string and returns another string where every vowel of the string is replaced by an underscore.