Incoming MISM students should be able to solve these 5 problems within 90 minutes with no outside reference or help. It is preferred that it is done in Java, but C++ is an acceptable alternative.

Problem	Required knowledge
Print first 100 prime numbers	Numeric variables, loops
Take n integers from the user as input and print them in a sorted order	Numeric variables, Input/output, loops, if condition, arrays, sorting
Write a program that has a method that tells whether an integer input by the user is a prime number or not	Numeric variables, Input/output, formula, loop, if condition
Take a word as input from the user and output whether it is a palindrome or not	Character / string data, loops, if conditions
Take a text file name as an input. Read the file in your program and search for the word entered by the user. If the word exists in the file, print the number of times the word appears in the file.	File input/output, string data type, loops, if conditions