

# CODING

# Peel Skills 2025

This infographic is intended to inform those considering to register for the competition and to enable some advanced preparation those choosing to compete. A more precise scope will be posted closer to the contest date.

The 2 EVENTS Written Component / Coding and Deployment within the competition are outlined below:

## OVERVIEW

Bring your own computer with an internet connection operating with Windows or Mac. You are allowed to use the following programming languages: **C#, C++, C, and JAVA.** ( A limited number of Peel PC's with software will be available upon request)

If you are using C#, C++, or C, you should ensure that your code is openable in **Visual Studio.** JAVA projects are required to use and submit a **Maven pom.xml** file.

Only standard libraries are allowed: Java SE 8, .NET 4.7+, and Microsoft C/C++ runtime.

Coding standards, such as proper use of comments and spacing, will be marked.

## Part A – Knowledge and Problem Solving [25%]

Written component using word processor or hand written if readable. Three to five questions on programming knowledge and problem solving.

EXAMPLE QUESTIONS Ontario Skills 2023 Scope

1. Create a flowchart walking through the process of purchasing online, installing, and using a new piece of software or video game. Solution should have at least 5 processes.
2. Explain the difference between a frontend and a backend.
3. Explain what happens when you instantiate a new instance of a class in as much detail as you can. For example, 'new AnimalAdoptionAgency(logger)'.

## Part B : Code and Deployment [75%]

Example application and deployment from 2023 Ontario Skills ...

### CODE

You will be creating an application for helping an Animal rescue not-for-profit organization manage incoming animals. This Application can be written in either C#, C++, C, or Java and submitted as a .exe or .jar file. Your submission should also include the source code, documentation, and deployment files or installations script. You will be given variables and basic processes and functionalities required to be coded.

### DEPLOYMENT

Create a **README.md** file that contains how to use your application. Create multiple printscreens of each process when running the application such as Add, Delete, and Edit. Document your printscreens above.

**Morning Session :** 9-10:30 Part A Written

**Afternoon Session:** 10:45 - 2 pm Part B Code and Deploy

Breaks and Lunch to be embedded in timing.

### Contact :

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