CODE LAB I

ASSESSMENT 1: Programming Skills Portfolio

| Contribution towards overall module mark | 40% |
| --- | --- |
| Date set | 25th September ,2024 |
| Marked work returned by | Within 3 weeks of submission |
| DEADLINES | Deadline : Nov 1, 2024 – 23:59 |

**Assessment 1: Programming Skills Portfolio**

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| **Students Name** | **Rajan ace R Tapiru** |
| **Roll No** | **04-24-0130** |
| **Assignment Brief** | Exercise 1 This code creates three variables to store the words "coding," "is," and "cool." It then combines these variables into a single sentence and prints **"coding is cool."**  Exercise 2 This code basically asks the user for two numbers. It takes those inputs and changes them into integers, storing them as num1 and num2. Then, it adds these two numbers together and saves the result in a variable called sum  Exercise 3 This program is made to gather some personal info from the user, like their name, where they're from, and their age. After that, it prints out all this info along with a hashed version of the user's name to keep it secure.  Exercise 4 This program is like an interactive quiz that challenges users to guess the capitals of different countries. It starts off with a question about France and then goes through a list of countries using a dictionary.  Exercise 5 his code figures out how many days are in a specific month, and it even checks for leap years if February is chosen. It uses a dictionary to make it easy to get the number of days, and it also does a good job of checking if the user’s input is valid and gives helpful feedback  Exercise 6 This program is a basic password checker that keeps asking the user for a password until they finally get it right. It uses a while loop to make sure the user has to keep trying until they enter the correct one.  Exercise 7 This code shows how to use for loops in Python to do different counting tasks. It includes counting up and down, and it also plays around with different increments and decrements  Exercise 8 This code is a simple program that lets a user search for a name in a list that’s already set up. It shows how to use lists, get user input, and work with conditional statements  Exercise 9 This code is a simple Python program that demonstrates how to define and call functions.  Exercise 10 his code is a straightforward program that lets the user find out if a number is even or odd. It uses a function to do the checking, which is a good way to get the hang of how functions work and how to manage user input. |
| **Github Repository Name** | rajanace |
| **Github Repository Link** | https://github.com/rajanace/CodeLab1--A1-10-exercises- |
| **Repository Screen Shot** |  |
| Course Completion Certificate Link | [**https://www.mygreatlearning.com/certificate/OCMYWVEJ**](https://www.mygreatlearning.com/certificate/OCMYWVEJ?fbclid=IwZXh0bgNhZW0CMTAAAR14hFiuAiso2yqyv5WR5hwz1WPHcG1u0Yi3NF8KF-s8uoeULPRAvzt6spc_aem_j9A3Xtj1wYcjC8wiKiLBKA) |
| Course Completion Certificate Screenshot |  |
| **Other comments** |  |