Richard Singh

846501401

**Programming Principles**

Project 1 : Project Alpha ~ Part 1

|  |  |  |
| --- | --- | --- |
|  |  |  |
| SR01 | Install the Microsoft Visual Studio 2022 on your devices and get an understanding of this IDE | |
| * **Visual Studio Community 2022 details of installation**      * **Visual Studio installed successfully and running** | |
| SR02 | Use the Console.WriteLine() statement to draw the following shapes. | |
| * **Square**   **Code**    **Output**     * **Triangle**   **Code**    **Output**     * **Rectangles**   **Code**    **Output**     * **Right-angle Triangle**   **Code**    **Output** | |
| SR03 | Print your Day1 Experience at Techtorium with WriteLine() statement | |
| **Code**    **Output** | |
| SR04 | Rate yourself from 1-10 for the following traits. | |
| * **Confidence**   **Code**    **Output**     * **Creativity**   **Code**    **Output**     * **Resilience**   **Code**    **Output**     * **Positivity**   **Code**    **Output**     * **Hard Work**   **Code**    **Output**     * **Love for Programming**   **Code**    **Output** | |
| SR05 | Create a program to gather information from the person sitting next to you and this information should include. | |
| * **Name**   **Code**    **Output**     * **High School**   **Code**    **Output**     * **Techtorium ID**   **Code**    **Output**     * **Trainer Name**   **Code**    **Output**     * **Contact Number**   **Code**    **Output**     * **Hobbies**   **Code**    **Output** | |
| SR06 | Develop a code to check person sitting next to you is elder than you or not | |
| **Code**    **Output**    **--*my age entered and Cairan’s with the value that I am older returning true--*** | |
| SR07 | Develop a code to whether the person is eligible for voting or not | |
| **Code**    **Output**    ***--results of one entering age over 18 years old--***    ***--results of one entering age under 18 years old--*** | |
| SR08 | Develop a code to check whether inputted number is Negative or positive | |
| **Code**    **Output**    ***--results of one entering a negative number(s)--***    ***--results of one entering a positive number(s)--*** | |
| SR09 | David is 19 years old, and Luke is 17 years old. Develop a code to check by how many years Luke is younger than David. | |
| **Code**    **Output** | |
| SR10 | Develop a code to check whether an entered number is even or odd | |
| **Code**    **Output**    ***--results of one entering an odd number(s)--***    ***--results of one entering an even number(s)--*** | |
| SR11 | Develop a code to generate the grades of students based on marks they have scored | |
| **Code**    **Output**  ***-- once students name is in and grade – results will be given (shows example of 2 students but can do more if needed --*** | |
| SR12 | Build a calculator by using conditional and Switch statement | |
| **Code**    **Output**  ***-- addition arithemic used –- -- subtraction arithemic used –-***    ***-- multiplication arithemic used –- -- devision arithemic used --***    ***-- invalid arithemic used –-*** | |
| SR13 | Develop a code to add the digits of a number | |
| **Code**    **Output**  **--*adding 5 1 2 4 to give us conclusion--*** | |
| SR14 | Develop a code to reverse the digits of a number | |
| **Code**    **Output** | |
| SR15 | Develop Rock Paper Scissors game by using the knowledge you gained this week | |
| **Code**      **Output**  ***--Ensuring all statements condition/ statements work as intended --*** | |