**PROJECT DESCRIPTION & TESTING INSTRUCTION**.

**Project Goal** : This project aims at calculating the Risk score for sample data. There are 2 calculations for the Risk Score and Risk Level Assessment.

**Document Goal** : This document will provide the project overview and testing using both the Console inputs and also using Junit test cases.

Components :

1. Risk Level Assessment : This calculation is used for calculating Risk Levels based on Organization name.

Sample Organizations Used

1. ABC Organization – Risk Score is 25 🡪 Low Risky Organization.
2. PQR Organization – Risk Score is 12 🡪 Medium Risky Organization.
3. XYZ Organization – Risk Score is 25 🡪 Highly Risky Organization.

From the Input console, select Option 1 for Selecting Organizations, and select the sub options for selecting the organization for testing Risk level and score for that organization.

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1. Risk Type & Score Assessment: Second Calculation is used for Calculating the Risk Score for the Risk Type

From the Console Select Option 2 for Risk Type Calculation. There are 3 types of Risks which will display Different Risk Scores.

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1. Additional Information : The Option 3 (Want to view Risk Rating Matrix?) from the main console will give information regarding the samples from calculations matrix.

Rating Matrix:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CATRSTROPHIC | 5 | 10 | 15 | 20 | 25 |
| SIGNIFICANT | 4 | 8 | 12 | 16 | 20 |
| MODERATE | 3 | 6 | 9 | 12 | 15 |
| LOW | 2 | 4 | 6 | 8 | 10 |
| NEGLIGIBLE | 1 | 2 | 3 | 4 | 5 |
|  | IMPROBABLE | REMOTE | OCCASIONAL | PROBABLE | HIGHLY PROBABLE |

**Testing the Project :**

1. **Using Console:**

Run the Main file from “RiskManagementTest.java” file from the following Location.

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1. **Using JUNIT test cases :**
2. Copy the 2 “RiskManagement” sub folders from the “Src” folder & paste into the “Src” folder of the Eclipse/any other IDE.

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1. Copy the Test Folder either as separate folder with in the project (Pic 1 below) or into the main “Src” (Pic 2 Below)

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Graphical user interface, text, application

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Pic 2.

1. Run the whole project or test folder with Junit config run.