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Test Data

Reference: Yes -2 Sometimes -1 No -0

Risk level score <= 5, Low Risk level score >=14, High Risk level score >5 but <14, Moderate

	Frequent	Extreme	Weight	Blurred	Thirsty	Infection	Body	Slower	Result/Risk
	urination	hunger	loss	vision			fatigue	sores	level
								healing	
Test 1	2	2	2	2	2	2	2	2	High
Test 2	2	0	2	1	2	1	0	0	Moderate
Test 3	0	1	0	1	1	0	1	0	Low
Test 4	3 (invalid)	2	1	0	2	0	1	1	Re-enter data needed for Q1.
Test 5	2	A (invalid)	2	0	1	2	1	2	Re-enter data needed for Q2.
Test 6	2	2	53 (invalid)	1	2	1	2	2	Re-enter data needed for Q3.
Test 7	2	B (invalid)	99 (invalid)	1	2	c (invalid)	1	0	Re-enter data needed for Q2. Q3. Q6.

Test Run 1 (screenshot)

```
Test for Type 1 Diabetes
You are required to answer these question to determine risk
Follow the digit under each question to answer the question
Q1.Do you frequently urinate at night?
Yes-2 Sometimes-1 No-0: 2
Q2.Do you experince extreme hunger despite you are eating?
Yes-2 Sometimes-1 No-0: 2
Q3.Are you having unintended weight loss?
Yes-2 Sometimes-1 No-0: 2
Q4.Have you had any sudden blurred in vision?
Yes-2 Sometimes-1 No-0: 2
Q5.Do you feel thirsty more often than usual?
Yes-2 Sometimes-1 No-0: 2
Q6.Are you having more infections than usual?
Yes-2 Sometimes-1 No-0: 2
Q7.Do you often experince body fatigue?
Yes-2 Sometimes-1 No-0: 2
Q8.Are you having sores that heal significantly slow?
Yes-2 Sometimes-1 No-0: 2
Risk Level for Type 1 Diabetes: High
Do you want to retry? Y-yes other keys-No:
```

Test Run 2 (screenshot)

```
Test for Type 1 Diabetes
You are required to answer these question to determine risk
Follow the digit under each question to answer the question
Q1.Do you frequently urinate at night?
Yes-2 Sometimes-1 No-0: 2
Q2.Do you experince extreme hunger despite you are eating?
Yes-2 Sometimes-1 No-0: 0
Q3.Are you having unintended weight loss?
Yes-2 Sometimes-1 No-0: 2
Q4. Have you had any sudden blurred in vision?
Yes-2 Sometimes-1 No-0: 1
Q5.Do you feel thirsty more often than usual?
Yes-2 Sometimes-1 No-0: 2
Q6.Are you having more infections than usual?
Yes-2 Sometimes-1 No-0: 1
Q7.Do you often experince body fatigue?
Yes-2 Sometimes-1 No-0: 0
Q8.Are you having sores that heal significantly slow?
Yes-2 Sometimes-1 No-0: 0
Risk Level for Type 1 Diabetes: Moderate
Do you want to retry? Y-yes other keys-No:
```

Test Run 3 (screenshot)

```
Test for Type 1 Diabetes -----
You are required to answer these question to determine risk
Follow the digit under each question to answer the question
Q1.Do you frequently urinate at night?
Yes-2 Sometimes-1 No-0: 0
Q2.Do you experince extreme hunger despite you are eating?
Yes-2 Sometimes-1 No-0: 1
Q3.Are you having unintended weight loss?
Yes-2 Sometimes-1 No-0: 0
Q4. Have you had any sudden blurred in vision?
Yes-2 Sometimes-1 No-0: 1
Q5.Do you feel thirsty more often than usual?
Yes-2 Sometimes-1 No-0: 1
Q6.Are you having more infections than usual?
Yes-2 Sometimes-1 No-0: 0
Q7.Do you often experince body fatigue?
Yes-2 Sometimes-1 No-0: 1
Q8.Are you having sores that heal significantly slow?
Yes-2 Sometimes-1 No-0: 0
Risk Level for Type 1 Diabetes: Low
Do you want to retry? Y-yes other keys-No:
```

Test Run 4 (screenshot)

```
----- Test for Type 1 Diabetes
You are required to answer these question to determine risk
Follow the digit under each question to answer the question
Q1.Do you frequently urinate at night?
Yes-2 Sometimes-1 No-0: 3
Error! a digit smaller than 0 or larger than 2 was entered
Q2.Do you experince extreme hunger despite you are eating?
Yes-2 Sometimes-1 No-0: 2
Q3.Are you having unintended weight loss?
Yes-2 Sometimes-1 No-0: 1
Q4.Have you had any sudden blurred in vision?
Yes-2 Sometimes-1 No-0: 0
Q5.Do you feel thirsty more often than usual?
Yes-2 Sometimes-1 No-0: 2
Q6.Are you having more infections than usual?
Yes-2 Sometimes-1 No-0: 0
Q7.Do you often experince body fatigue?
Yes-2 Sometimes-1 No-0: 1
Q8.Are you having sores that heal significantly slow?
Yes-2 Sometimes-1 No-0: 1
You have entered invalid data 1 time(s)
You will have to re-enter the data
Q1.Do you frequently urinate at night?
Yes-2 Sometimes-1 No-0:
```

Test Run 5 (screenshot)

```
Test for Type 1 Diabetes
You are required to answer these question to determine risk
Follow the digit under each question to answer the question
Q1.Do you frequently urinate at night?
Yes-2 Sometimes-1 No-0: 2
\ensuremath{\mathtt{Q2.Do}} you experince extreme hunger despite you are eating?
Yes-2 Sometimes-1 No-0: A
Error! characters was entered in the questionnaire
Q3.Are you having unintended weight loss?
Yes-2 Sometimes-1 No-0: 2
Q4. Have you had any sudden blurred in vision?
Yes-2 Sometimes-1 No-0: 0
Q5.Do you feel thirsty more often than usual?
Yes-2 Sometimes-1 No-0: 1
Q6.Are you having more infections than usual?
Yes-2 Sometimes-1 No-0: 2
Q7.Do you often experince body fatigue?
Yes-2 Sometimes-1 No-0: 1
Q8.Are you having sores that heal significantly slow?
Yes-2 Sometimes-1 No-0: 2
You have entered invalid data 1 time(s)
You will have to re-enter the data
Q2.Do you experince extreme hunger despite you are eating? Yes-2 Sometimes-1 No-0: \mbox{\cite{No-0}}
```

Test Run 6 (screenshot)

```
Test for Type 1 Diabetes
You are required to answer these question to determine risk
Follow the digit under each question to answer the question
Q1.Do you frequently urinate at night?
Yes-2 Sometimes-1 No-0: 2
Q2.Do you experince extreme hunger despite you are eating?
Yes-2 Sometimes-1 No-0: 2
Q3.Are you having unintended weight loss?
Yes-2 Sometimes-1 No-0: 53
Error! more than 1 digit is entered in the questionnaire
Q4. Have you had any sudden blurred in vision?
Yes-2 Sometimes-1 No-0: 1
Q5.Do you feel thirsty more often than usual?
Yes-2 Sometimes-1 No-0: 2
Q6.Are you having more infections than usual?
Yes-2 Sometimes-1 No-0: 1
Q7.Do you often experince body fatigue?
Yes-2 Sometimes-1 No-0: 2
Q8.Are you having sores that heal significantly slow?
Yes-2 Sometimes-1 No-0: 2
You have entered invalid data 1 time(s)
You will have to re-enter the data
Q3.Are you having unintended weight loss?
Yes-2 Sometimes-1 No-0:
```

Test Run 7 (screenshot)

```
------ Test for Type l Diabetes ------
You are required to answer these question to determine risk
Follow the digit under each question to answer the question
Q1.Do you frequently urinate at night?
Yes-2 Sometimes-1 No-0: 2
Q2.Do you experince extreme hunger despite you are eating?
Yes-2 Sometimes-1 No-0: B
Error! characters was entered in the questionnaire
Q3.Are you having unintended weight loss?
Yes-2 Sometimes-1 No-0: 99
Error! more than 1 digit is entered in the questionnaire
Q4. Have you had any sudden blurred in vision?
Yes-2 Sometimes-1 No-0: 1
Q5.Do you feel thirsty more often than usual?
Yes-2 Sometimes-1 No-0: 2
Q6.Are you having more infections than usual?
Yes-2 Sometimes-1 No-0: c
Error! characters was entered in the questionnaire
Q7.Do you often experince body fatigue?
Yes-2 Sometimes-1 No-0: 1
Q8.Are you having sores that heal significantly slow?
Yes-2 Sometimes-1 No-0: 0
You have entered invalid data 3 time(s)
You will have to re-enter the data
Q2.Do you experince extreme hunger despite you are eating?
Yes-2 Sometimes-1 No-0: d
Error! characters was entered in the questionnaire
You failed to enter valid data!
Results cannot be computed
______
Do you want to retry? Y-yes other keys-No: n
Stav Healthy
and Have a nice day!
```

References

 $\underline{https://www.mayoclinic.org/diseases-conditions/type-1-diabetes/symptoms-causes/syc-20353011}$

https://www.cdc.gov/diabetes/basics/symptoms.html

https://www.diabetes.org/diabetes/type-1/symptoms

Assumption

- User is given 2 chance to enter valid answer for each question
- If invalid data was entered during the re-enter of data, the program will not ask any further question despite more than 1 question was invalid during first attempt at questionnaire. (eg. Test Run 7)