

BEST RECIPE

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Language Used: JAVA 8

Software Used: Eclipse

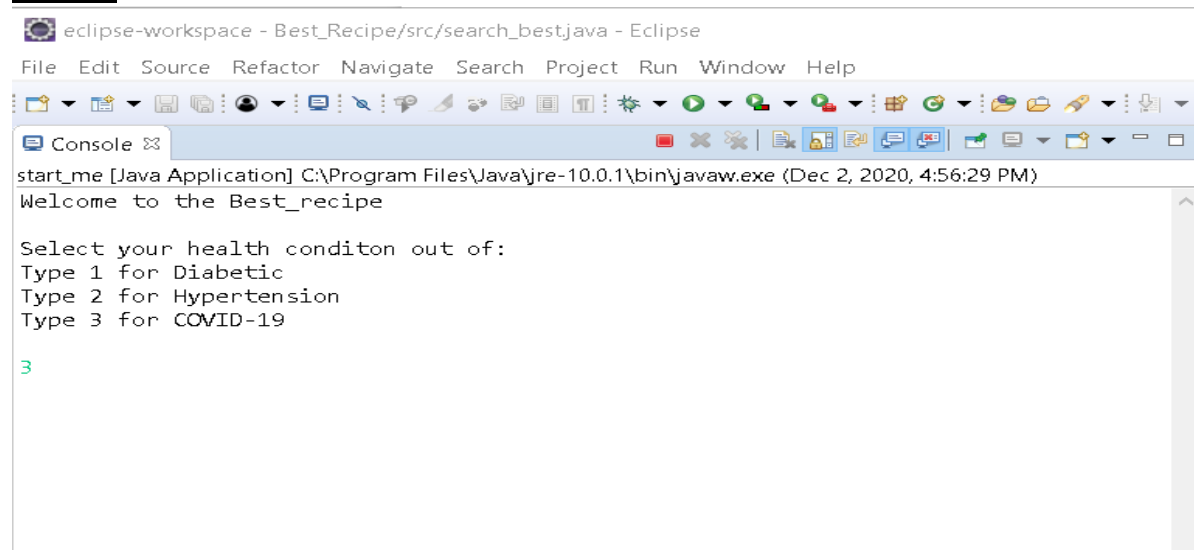
ALGORITHM/ Approach

1. User choose any health condition out of 3.
2. Print the recommended and not recommended ingredients of health condition user selects, from data which is already given.
3. Now take array of ingredients of each recipes available and iterate through it and binary search each ingredient in recommended, not_recommend ingredients array for particular health condition and store them.
4. Perform this operation for each recipe and the best one is the recipe whose value of this expression is Maximum.

Answer=MAX((Number of **recommended ingredients**/ total recipe ingredients) - (Number of **not recommended** /total recipe ingredients) + (If **not recommended technique** subtract 1 else add 1))

5. Iterate through that selected recipe and print name, technique and ingredients and caution if any.

INPUT



```
eclipse-workspace - Best_Recipe/src/search_bestjava - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
start_me [Java Application] C:\Program Files\Java\jre-10.0.1\bin\javaw.exe (Dec 2, 2020, 4:56:29 PM)
Welcome to the Best_recipe

Select your health conditon out of:
Type 1 for Diabetic
Type 2 for Hypertension
Type 3 for COVID-19
3
```

OUTPUT

*****You are in Covid19 section*****

*****Recommended ingredients*****

giloy, ashwagandha, cinnamon, tulsi, vitamin c, zinc, hot water, turmeric, dates, walnuts, milk

*****Not recommended ingredients*****

sugar, baked products, fruit juice, flavoured milk, processed foods

Best Recipe is Golden Milk

Technique is: Boiling

Ingredients of Recipe are: milk, turmeric

CLASS DIAGRAM

