Assignment - 1

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About career advisory:

Its advisory system for B.tech computer science and engineering branch students.

Features Of Prolog used:

1. Cut points(!) : To prevent backtracking at some points.
     career(Career), !.
2.   For dynamic input from user:
      :- dynamic(runtime_input/2).
3. retract() and fail : to retract and keep information and store till inputs are coming
     temporary and fail is used after fail it will try again for the next option.
    reset_answers :-
  retract(runtime_input(_, _)),
    fail.
  Reset_answers.
  4.list [] , operators (+,-,>,=, is): All used like below in code:-
      explore(0, [Starting|_], Starting).
      explore(IndexValue, [Starting|Ending], Reply) :-
      IndexValueValue > 0,
      NextIndexValue is IndexValue - 1,
      explore(NextIndexValue, Ending, Reply).

   5.Backtracking is also used as shown above example in point 4, also in main code.

Rules and clauses used:

1.starting Clauses:-

initial :-
 write('what should I do next after B.tech CSE?'), nl,
 write('To answer, input the number shown next to each answer, followed by a dot (.)'), nl, nl,
 reset_answers,
 career_options(Career).

career_options(Career) :-
 career(Career), !.

:- dynamic(runtime_input/2).

```prolog
reset_answers :-
  retract(runtime_input(_, _)),
  fail.

reset_answers.
```

2. Feilds and career Clauses:-

```prolog
feild(heigher_studies,K):-
 heigher_studies(yes),
 marks(yes),
 logical_thinking(yes),
 problem_solving(yes),
 aptitude(yes),
 project_oriented(yes),
 research(yes),
 code(yes),
 buisness(no),
 K='it seems you are having intrest in technical feild with \c
 some intrest in projects and research area.'.

feild(heigher_studies,K):-
 heigher_studies(yes),
 buisness(yes),
 K='it seems like you are having logical thinking with problem solving approach \c
 but not having that much interest in techical area.'.


feild(job,K):-
 problem_solving(yes),
 aptitude(yes),
 logical_thinking(yes),
 management_skill(yes),
 K='it seems like you are having logical thinking with problem solving approach \c
 but need to a job to earn money so you can plan something good for you furthur.'.


feild(job,K):-
 problem_solving(yes),
 aptitude(yes),
 logical_thinking(yes),
 project_oriented(no),
 buisness(no),
 management_skill(yes),
```

```prolog
 serving_people(yes),
 K='it seems like you are having logical thinking with problem solving approach \c
 and you like to serve people and helping them as a duty.'.

feild(enterpreneur,K):-
 buisness(yes),
 intreact(yes),
 idea(can),
 leadership(yes),
 risk(can),
 K='You have qulities of a a leadership also able to handle risks will  direct you towrard\c
 strong mentality person and can eun an organization.'.




% Career

% heigher studies
career(MS):-
 feild(heigher_studies,K),
 english(yes),
 adaptibility(yes),
 financial(strong),
 write(K),nl,
 write('Recommendation for Master Of Science(MS)'), nl,
 write(' you have to crack the GRE as your btech percentage are fit.'), nl,
 write('following branches you can opt after that: '), nl,
 write('Artificial Intelligence '), nl,
 write(' Machnine learning '), nl,
 write(' Robotics'), nl,
 write(' Cyber security'), nl,
 write(' human computer intreacrion'),nl,nl,nl,
 write('ALL THE BEST').

career(Mtech):-
 feild(heigher_studies,K),
 financial(medium),
 intreact(no),
 write(K), nl,
 write('Recommendation for Master of technology(M.tech)'), nl,
 write(' As you have a technical taste so M.tech is perfect for you'),nl,
 write(' you just have yto crack the gate exam with good percentile'),nl,
 write(' also non-gate admission available in IIIT-D.'), nl,
```

```prolog
write(' you can choose following bracnches in M.tech '), nl,
write('Artificial intelligence '), nl,
write(' data engineering '), nl,
write(' information security '), nl,
write(' Mobile Computing '), nl,
write(' without specilization as according to you furthur '),nl,nl,nl,
write('ALL THE BEST').

career(MBA):-
 feild(heigher_studies,K),
 financial(medium),
 management_skill(yes),
 intreact(yes),
 analytical(yes),
 write(K),nl,
 write('Recommendation for Master of Buisness Administration(MBA)'), nl,
 write('You have to crack CAT with good percentile and can do buisness after that,'), nl,
 write(' following subject can be opt in MBA'), nl,
 write('Human Resource Management'), nl,
 write('Customer Relationship Management'),nl,
 write('Operation Management'),nl,
 write('Marketing and many more subjects will build your'),nl,nl,nl,
 write('ALL THE BEST').

career(IT):-
 feild(job,K),
 financial(weak),
 write(K),nl,
 write('Recommendation for job in IT industry as developer or other things you are fit for job(IT
Industry)'),
 write('so as per your intrest you can choose any of the following feild in IT industry'), nl,
 write(' Web developer '), nl,
 write(' software developer '), nl,
 write(' infomation security specialist '), nl,
 write(' database administrator '), nl,
 write(' cloud computing engineer'), nl,
 write(' networking adminstrator '), nl,
 write(' quality assurance '), nl,
 write(' application devceloper '), nl,
 write(' backend developer'), nl,
 write(' data engineer'),nl,nl,nl,
 write('ALL THE BEST').
```

```
career(defence):-
 feild(job,K),
 financial(medium),
 physical(very_strong),
 adaptibility(yes),
 leadership(yes),
 write(K), nl,
 write('Recommandation to get job in Defense as you are mentally and physically strong'), nl,
 write('so you can choose following field in defens. And for that you have to crack SSB,NDA etc
exam'), nl,
 write(' indian army '), nl,
 write(' indian air force'), nl,
 write(' indian navy'),nl,nl,nl,
 write('ALL THE BEST').

career(government):-
 feild(job,K),
 financial(medium),
 physical(fit),
 write(K),nl,
 write('Recommendation for a government job(public sectors)'), nl,
 write(' PSU after cracking gate exam with good score'), nl,
 write(' ISRO[Indian space research organization] '), nl,
 write(' IOCL[Indian oil coorporation unit]'), nl,
 write(' DRDO[Defense research and development organization] '), nl,
 write(' BARC[Bhabha atomic research center] '), nl,
 write(' Power Grid'), nl,
 write(' ONGC[Oil and natural gas corporation] '), nl,
 write(' Public service commission(PSC) exam have to crack for Assistance
Professor,employment officer, forest officer etc.'),nl,nl,nl,
 write('ALL THE BEST').

career(enterpreneur):-
 feild(enterpreneur,K),
 financial(strong),
 write(K),nl,
 write('Recommondation for Enterpreneur'), nl,
 write(' consultant '), nl,
 write(' event palnning '), nl,
 write(' freelencer '), nl,
 write(' blog consulting '), nl,
 write(' computer trainee '), nl,
 write(' data entry '), nl,
```

```prolog
write(' web designer '), nl,
 write(' home tutors '),nl,nl,nl,
 write('ALL THE BEST').

career(hobby):-
 hobbies(yes),
 write(' it seems that you can make your hobbies as intrest so you'),nl,
 write('can choose following as your career -'),
 write(' photographer '), nl,
 write(' interior decorator'), nl,
 write(' travelling agent '), nl,
 write(' wedding planner'), nl,
 write(' event planner '), nl,nl,nl,
 write('ALL THE BEST').




career(other):-
 write(' it seems you don not want to make your hobbies as your carieer too, so'),nl,
 write(' you can become home tutors  as you did B.tech so can teach home tutions  , Or'), nl,
 write(' you should think again about yourself , so take some time and think whether you want '),
nl,
 write(' to do something right now or improve youself on B.tech subjects'),nl,nl,nl,
  write('ALL THE BEST').
```

3.Question ask to students here:

```prolog
inquiry(hobbies):-
 write(' would you like to make your hobby as a carrier? '), nl.


inquiry(idea):-
 write('Can you able to think of an innovation or having thought of new ideas ?'), nl.

inquiry(risk):-
 write('Are you mentally strong to take risk ?'), nl.

inquiry(leadership):-
 write('did you have leadership quality?'), nl.

inquiry(heigher_studies):-
 write('Are you intrested in heigher studies?'), nl.
```

```prolog
inquiry(marks):-
 write('Is your marks greater then 80 percentage in B.tech?'), nl.

inquiry(logical_thinking):-
 write('Are you a logical thinker?'), nl.

inquiry(problem_solving):-
 write('did you have problem solving approach?'), nl.

inquiry(aptitude):-
 write('Are you good in aptitude?'), nl.

inquiry(research):-
 write('Are you intrested in research?'), nl.

inquiry(code):-
 write('Are you intrested in coding?'), nl.

inquiry(project_oriented):-
 write('Are you project oriented and want to make more projects?'), nl.

inquiry(english):-
 write('Did you have good catch in english grammer ?'), nl.

inquiry(adaptibility):-
 write('Can you able to adapt the changes around you in terms of cultures and peoples ?'), nl.

inquiry(financial):-
 write('Whats your financial condition ?'), nl.

inquiry(buisness):-
 write('Are you intrested in buisness ?'), nl.

inquiry(management_skill):-
 write('Hows your management skill , can you able to manage and organise the things properly ?'), nl.

inquiry(intreact):-
 write('Are you able to intreact with people or deal with peoples ?'), nl.

inquiry(analytical):-
```

```prolog
  write('Are you able analyse the things and have a sense keen observation ?'), nl.

inquiry(serving_people):-
 write('Would you like to help common people and feel good to serve them as your duty?'), nl.

inquiry(physical):-
 write('Are you phyically fit and have kind a sports-man spirit ?'), nl.
```

4.Answers of questions ask.

```prolog
reaction(fit):-
 write('Fit.').
reaction(very_strong):-
 write('Very Strong.').
reaction(yes):-
 write('Yes.').
reaction(no) :-
  write('No.').
reaction(strong):-
 write('Strong.').
reaction(medium) :-
  write('Medium.').
reaction(weak) :-
  write('Weak.').
reaction(can) :-
  write('Can.').
reaction(can_not) :-
  write('Can not.').
```

5.Answers of questions ask.

```prolog
risk(Reaction) :-
  runtime_input(risk, Reaction).
risk(Reaction) :-
 \+ runtime_input(risk, _),
  interrogate(risk, Reaction, [can, can_not]).

hobbies(Reaction) :-
  runtime_input(hobbies, Reaction).
hobbies(Reaction) :-
 \+ runtime_input(hobbies, _),
  interrogate(hobbies, Reaction, [yes, no]).
```

```prolog
idea(Reaction) :-
  runtime_input(idea, Reaction).
idea(Reaction) :-
 \+ runtime_input(idea, _),
  interrogate(idea, Reaction, [can, can_not]).


leadership(Reaction) :-
  runtime_input(leadership, Reaction).
leadership(Reaction) :-
 \+ runtime_input(leadership, _),
  interrogate(leadership, Reaction, [yes, no]).

physical(Reaction) :-
  runtime_input(physical, Reaction).
physical(Reaction) :-
 \+ runtime_input(physical, _),
  interrogate(physical, Reaction, [fit, very_strong]).

heigher_studies(Reaction) :-
  runtime_input(heigher_studies, Reaction).
heigher_studies(Reaction) :-
 \+ runtime_input(heigher_studies, _),
  interrogate(heigher_studies, Reaction, [yes, no]).

marks(Reaction) :-
  runtime_input(marks, Reaction).
marks(Reaction) :-
 \+ runtime_input(marks, _),
  interrogate(marks, Reaction, [yes, no]).

logical_thinking(Reaction) :-
  runtime_input(logical_thinking, Reaction).
logical_thinking(Reaction) :-
 \+ runtime_input(logical_thinking, _),
  interrogate(logical_thinking, Reaction, [yes, no]).

problem_solving(Reaction) :-
  runtime_input(problem_solving, Reaction).
problem_solving(Reaction) :-
 \+ runtime_input(problem_solving, _),
  interrogate(problem_solving, Reaction, [yes, no]).
```

```prolog
aptitude(Reaction) :-
  runtime_input(aptitude, Reaction).
aptitude(Reaction) :-
 \+ runtime_input(aptitude, _),
  interrogate(aptitude, Reaction, [yes, no]).

research(Reaction) :-
  runtime_input(research, Reaction).
research(Reaction) :-
 \+ runtime_input(research, _),
  interrogate(research, Reaction, [yes, no]).


code(Reaction) :-
  runtime_input(code, Reaction).
code(Reaction) :-
 \+ runtime_input(code, _),
  interrogate(code, Reaction, [yes, no]).

project_oriented(Reaction) :-
  runtime_input(project_oriented, Reaction).
project_oriented(Reaction) :-
 \+ runtime_input(project_oriented, _),
  interrogate(project_oriented, Reaction, [yes, no]).

adaptibility(Reaction) :-
  runtime_input(adaptibility, Reaction).
adaptibility(Reaction) :-
 \+ runtime_input(adaptibility, _),
  interrogate(adaptibility, Reaction, [yes, no]).


financial(Reaction) :-
  runtime_input(financial, Reaction).
financial(Reaction) :-
 \+ runtime_input(financial, _),
  interrogate(financial, Reaction, [strong, medium, weak]).


buisness(Reaction) :-
  runtime_input(buisness, Reaction).
```

```
buisness(Reaction) :-
  \+ runtime_input(buisness, _),
  interrogate(buisness, Reaction, [yes, no]).

english(Reaction) :-
  runtime_input(english, Reaction).
english(Reaction) :-
  \+ runtime_input(english, _),
  interrogate(english, Reaction, [yes, no]).

management_skill(Reaction) :-
  runtime_input(management_skill, Reaction).
management_skill(Reaction) :-
  \+ runtime_input(management_skill, _),
  interrogate(management_skill, Reaction, [yes, no]).

intreact(Reaction) :-
  runtime_input(intreact, Reaction).
intreact(Reaction) :-
  \+ runtime_input(intreact, _),
  interrogate(intreact, Reaction, [yes, no]).


analytical(Reaction) :-
  runtime_input(analytical, Reaction).
analytical(Reaction) :-
  \+ runtime_input(analytical, _),
  interrogate(analytical, Reaction, [yes, no]).

serving_people(Reaction) :-
  runtime_input(serving_peoplel, Reaction).
serving_people(Reaction) :-
  \+ runtime_input(serving_people, _),
  interrogate(serving_people, Reaction, [yes, no]).
```

6.ouput is formatted as a list and index is the starting in choice in the shown list.

```
reactions([], _).
reactions([Starting|Ending], IndexValue) :-
  write(IndexValue), write(' '), reaction(Starting), nl,
  NextIndexValue is IndexValue + 1,
  reactions(Ending, NextIndexValue).
```

7.explore for indexvalues and returns the answers or choices ans per users response Here list is used and backtracking too happened.

```prolog
explore(0, [Starting|_], Starting).
explore(IndexValue, [Starting|Ending], Reply) :-
  IndexValue > 0,
  NextIndexValue is IndexValue - 1,
  explore(NextIndexValue, Ending, Reply).
```

8.interrogate the queries to the users and keep the reactions for further selection of conditions.

```prolog
interrogate(Inquiry, Reaction, Choosed_reaction) :-
  inquiry(Inquiry),
  reactions(Choosed_reaction, 0),
  read(IndexValue),
  explore(IndexValue, Choosed_reaction, Reply),
  asserta(runtime_input(Inquiry, Reply)),
  Reply = Reaction.
```

Running Code:

Step1:- Loading the file in prolog without any error.

```
?- consult('C:/Users/akanksha/Desktop/careerAdvisory_updated.pl').
Warning: c:/users/akanksha/desktop/careeradvisory_updated.pl:1:
Warning:    Singleton variables: [Career]
Warning: c:/users/akanksha/desktop/careeradvisory_updated.pl:75:
Warning:    Singleton variables: [MS]
Warning: c:/users/akanksha/desktop/careeradvisory_updated.pl:91:
Warning:    Singleton variables: [Mtech]
Warning: c:/users/akanksha/desktop/careeradvisory_updated.pl:108:
Warning:    Singleton variables: [MBA]
Warning: c:/users/akanksha/desktop/careeradvisory_updated.pl:124:
Warning:    Singleton variables: [IT]
Warning: c:/users/akanksha/desktop/careeradvisory_updated.pl:439:
Warning:    Singleton variables: [Starting]
true.
```

Step2:-
Type 'initial.'to start the career advisory question session for getting options.

```
?- initial.
what should I do next after B.tech CSE?
To answer, input the number shown next to each answer, followed by a dot (.)

Are you intrested in heigher studies?
0 Yes.
1 No.
|: █
```

 Step 3:-
Start choosing 0 to n options in front of you to get a career as per your interest and capability.

Step 4:
Now i will show you the career options
1.heigher studies.
  -MBA
  -MS
  -M.tech
2.Job.
  -public sectors as govt. job.
  -IT department.
3.Defense.
-Can join the Army.
4.Enterpreneurship
5.Hobbies as work.
6.Need to work on yourself for a career.

-outputs for all career options one by one:-
1.Higher studies with MS.

```
?- initial.
what should I do next after B.tech CSE?
To answer, input the number shown next to each answer, followed by a dot (.)

Are you intrested in heigher studies?
0 Yes.
1 No.
|: 0.
Is your marks greater then 80 percentage in B.tech?
0 Yes.
1 No.
|: 0.
Are you a logical thinker?
0 Yes.
1 No.
|: 0.
did you have problem solving approach?
0 Yes.
1 No.
|: 0.
Are you good in aptitude?
0 Yes.
1 No.
|: 0.
Are you project oriented and want to make more projects?
0 Yes.
1 No.
|: 0.
Are you intrested in research?
0 Yes.
1 No.
|: 0.
Are you intrested in coding?
0 Yes.
1 No.
|: 0.
Are you intrested in buisness ?
0 Yes.
1 No.
|: 1.
Did you have good catch in english grammer ?
0 Yes.
1 No.
|: 0.
Can you able to adapt the changes around you in terms of cultures and peoples ?
0 Yes.
1 No.
|: 0.
Whats your financial condition ?
0 Strong.
1 Medium.
2 Weak.
|: 0.

it seems you are having intrest in technical feild with some intrest in projects and research area.
Recommendation for Master Of Science(MS)
 you have to crack the GRE as your btech percentage are fit.
following branches you can opt after that:
Artificial Intelligence
 Machnine learning
 Robotics
 Cyber security
 human computer intreacrion


ALL THE BEST
true.
```

2.heigher studies with M.tech.

```
?- initial.
what should I do next after B.tech CSE?
To answer, input the number shown next to each answer, followed by a dot (.)

Are you intrested in heigher studies?
0 Yes.
1 No.
|: 0.
Is your marks greater then 80 percentage in B.tech?
0 Yes.
1 No.
|: 0.
Are you a logical thinker?
0 Yes.
1 No.
|: 0.
did you have problem solving approach?
0 Yes.
1 No.
|: 0.
Are you good in aptitude?
0 Yes.
1 No.
|: 0.
Are you project oriented and want to make more projects?
0 Yes.
1 No.
|: 0.
Are you intrested in research?
0 Yes.
1 No.
|: 0.
Are you intrested in coding?
0 Yes.
1 No.
|: 0.
Are you intrested in buisness ?
0 Yes.
1 No.
|: 1.
Did you have good catch in english grammer ?
0 Yes.
1 No.
|: 1.
Whats your financial condition ?
0 Strong.
1 Medium.
2 Weak.
|: 1.
Are you able to intreact with people or deal with peoples ?
0 Yes.
1 No.
|: 1.
```
```
it seems you are having intrest in technical feild with some intrest in projects and research area.
Recommendation for Master of technology(M.tech)
 As you have a technical taste so M.tech is perfect for you
 you just have yto crack the gate exam with good percentile
 also non-gate admission available in IIIT-D.
 you can choose following bracnches in M.tech
Artificial intelligence
 data engineering
 information security
 Mobile Computing
 without specilization as according to you furthur
```

3.heigher studies with MBA.

```
?- initial.
what should I do next after B.tech CSE?
To answer, input the number shown next to each answer, followed by a dot (.)

Are you intrested in heigher studies?
0 Yes.
1 No.
|: 0.
Is your marks greater then 80 percentage in B.tech?
0 Yes.
1 No.
|: 0.
Are you a logical thinker?
0 Yes.
1 No.
|: 0.
did you have problem solving approach?
0 Yes.
1 No.
|: 0.
Are you good in aptitude?
0 Yes.
1 No.
|: 0.
Are you project oriented and want to make more projects?
0 Yes.
1 No.
|: 1.
Are you intrested in buisness ?
0 Yes.
1 No.
|: 0.
Did you have good catch in english grammer ?
0 Yes.
1 No.
|: 1.
Whats your financial condition ?
0 Strong.
1 Medium.
2 Weak.
|: 1.
Are you able to intreact with people or deal with peoples ?
0 Yes.
1 No.
|: 0.
Hows your management skill , can you able to manage and organise the things properly ?
0 Yes.
1 No.
|: 0.
Are you able analyse the things and have a sense keen observation ?
0 Yes.
1 No.
|: 0.

it seems like you are having logical thinking with problem solving approach but not having that much interest in techical area.
Recommendation for Master of Buisness Administration(MBA)
You have to crack CAT with good percentile and can do buisness after that.
 following subject can be opt in MBA
Human Resource Management
Customer Relationship Management
Operation Management
Marketing and many more subjects will build your

ALL THE BEST
true.
```

4.Job in IT industry.

```
?- initial.
what should I do next after B.tech CSE?
To answer, input the number shown next to each answer, followed by a dot (.)

Are you intrested in heigher studies?
0 Yes.
1 No.
|: 1.
did you have problem solving approach?
0 Yes.
1 No.
|: 0.
Are you good in aptitude?
0 Yes.
1 No.
|: 0.
Are you a logical thinker?
0 Yes.
1 No.
|: 0.
Hows your management skill , can you able to manage and organise the things properly ?
0 Yes.
1 No.
|: 0.
Whats your financial condition ?
0 Strong.
1 Medium.
2 Weak.
|: 2.
it seems like you are having logical thinking with problem solving approach but need to a job to earn money so you can plan something good for you furthur.
Recoamendation for job in IT industry as developer or other things you are fit for job(IT Industry)so as per your intrest you can choose any of the following feild in IT industry
 Web developer
 software developer
 infcmation security specialist
 database administrator
 cloud computing engineer
 networking adminstrator
 quality assurance
 application devceloper
 backend developer
 data engineer


ALL THE BEST
true.
```

5.Job as a defense.

```
?- initial.
what should I do next after B.tech CSE?
To answer, input the number shown next to each answer, followed by a dot (.)

Are you intrested in heigher studies?
0 Yes.
1 No.
|: 1.
did you have problem solving approach?
0 Yes.
1 No.
|: 0.
Are you good in aptitude?
0 Yes.
1 No.
|: 0.
Are you a logical thinker?
0 Yes.
1 No.
|: 0.
Hows your management skill , can you able to manage and organise the things properly ?
0 Yes.
1 No.
|: 0.
Whats your financial condition ?
0 Strong.
1 Medium.
2 Weak.
|: 1.
Are you project oriented and want to make more projects?
0 Yes.
1 No.
|: 1.
Are you intrested in buisness ?
0 Yes.
1 No.
|: 1.
Would you like to help common people and feel good to serve them as your duty?
0 Yes.
1 No.
|: 0.
Are you phyically fit and have kind a sports-man spirit ?
0 Fit.
1 Very Strong.
|: 1.
Can you able to adapt the changes around you in terms of cultures and peoples ?
0 Yes.
1 No.
|: 0.
did you have leadership quality?
0 Yes.
1 No.
|: 0.
```

```
it seems like you are having logical thinking with problem solving approach but need to a job to earn money so you can plan something good for you furthur.
Recommandation to get job in Defense as you are mentally and physically strong
so you can choose following field in defens. And for that you have to crack SSB,NDA etc exam
 indian army
 indian air force
 indian navy

ALL THE BEST
true.
```

6.Job in the public sector.

```
?- initial.
what should I do next after B.tech CSE?
To answer, input the number shown next to each answer, followed by a dot (.)

Are you intrested in heigher studies?
0 Yes.
1 No.
|: 1.
did you have problem solving approach?
0 Yes.
1 No.
|: 0.
Are you good in aptitude?
0 Yes.
1 No.
|: 0.
Are you a logical thinker?
0 Yes.
1 No.
|: 0.
Hows your management skill , can you able to manage and organise the things properly ?
0 Yes.
1 No.
|: 0.
Whats your financial condition ?
0 Strong.
1 Medium.
2 Weak.
|: 1.
Are you project oriented and want to make more projects?
0 Yes.
1 No.
|: 1.
Are you intrested in buisness ?
0 Yes.
1 No.
|: 1.
Would you like to help common people and feel good to serve them as your duty?
0 Yes.
1 No.
|: 0.
Are you phyically fit and have kind a sports-man spirit ?
0 Fit.
1 Very Strong.
|: 0.
it seems like you are having logical thinking with problem solving approach but need to a job to earn money so you can plan something good for you furthur.
Recommendation for a government job(public sectors)
 PSU after cracking gate exam with good score
 ISRO[Indian space research organization]
 IOCL[Indian oil coorporation unit]
 DRDO[Defense research and development organization]
 BARC[Bhabha atomic research center]
 Power Grid
 ONGC[Oil and natural gas corporation]
 Public service commission(PSC) exam have to crack for Assistance Professor,employment officer, forest officer etc.

ALL THE BEST
true.
```

7.Enterpreneurship as a business career.

```
?- initial.
what should I do next after B.tech CSE?
To answer, input the number shown next to each answer, followed by a dot (.)

Are you intrested in heigher studies?
0 Yes.
1 No.
|: 1.
did you have problem solving approach?
0 Yes.
1 No.
|: 0.
Are you good in aptitude?
0 Yes.
1 No.
|: 0.
Are you a logical thinker?
0 Yes.
1 No.
|: 0.
Hows your management skill , can you able to manage and organise the things properly ?
0 Yes.
1 No.
|: 0.
Whats your financial condition ?
0 Strong.
1 Medium.
2 Weak.
|: 0.
Are you project oriented and want to make more projects?
0 Yes.
1 No.
|: 1.
Are you intrested in buisness ?
0 Yes.
1 No.
|: 0.
Are you able to intreact with people or deal with peoples ?
0 Yes.
1 No.
|: 0.
Can you able to think of an innovation or having thought of new ideas ?
0 Can.
1 Can not.
|: 0.
did you have leadership quality?
0 Yes.
1 No.
|: 0.
Are you mentally strong to take risk ?
0 Can.
1 Can not.
|: 0.
```

You have qulities of a a leadership also able to handle risks will direct you towrardstrong mentality person and can eun an organization.
Recommondation for Enterpreneur
```
 consultant
 event palnning
 freelencer
 blog consulting
 computer trainee
 data entry
 web designer
 home tutors
```

ALL THE BEST
true.

?- ■

8.hobbies as work.

```
?- initial.
what should I do next after B.tech CSE?
To answer, input the number shown next to each answer, followed by a dot (.)

Are you intrested in heigher studies?
0 Yes.
1 No.
|: 1.
did you have problem solving approach?
0 Yes.
1 No.
|: 0.
Are you good in aptitude?
0 Yes.
1 No.
|: 1.
Are you intrested in buisness ?
0 Yes.
1 No.
|: 0.
Are you able to intreact with people or deal with peoples ?
0 Yes.
1 No.
|: 0.
Can you able to think of an innovation or having thought of new ideas ?
0 Can.
1 Can not.
|: 0.
did you have leadership quality?
0 Yes.
1 No.
|: 1.
 would you like to make your hobby as a carrier?
0 Yes.
1 No.
|: 0.
 it seems that you can make your hobbies as intrest so you
can choose following as your career - photographer
 interior decorator
 travelling agent
 wedding planner
 event planner


ALL THE BEST
true.

?- █
```

9.need to think more about your career.

```
?- initial.
what should I do next after B.tech CSE?
To answer, input the number shown next to each answer, followed by a dot (.)

Are you intrested in heigher studies?
0 Yes.
1 No.
|: 1.
did you have problem solving approach?
0 Yes.
1 No.
|: 1.
Are you intrested in buisness ?
0 Yes.
1 No.
|: 1.
 would you like to make your hobby as a carrier?
0 Yes.
1 No.
|: 1.
 it seems you don not want to make your hobbies as your carieer too, so
 you can become home tutors  as you did B.tech so can teach home tutions  , Or
 you should think again about yourself , so take some time and think whether you want
 to do something right now or improve youself on B.tech subjects


ALL THE BEST
true.

?- █
```

References used:
1.https://github.com/calmesam01/Career-Counseling-System/blob/master/main.pl
2.https://github.com/shivamgupta1/Career-Counsellor-expert-system/blob/master/careerguide.pl