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Topics of artificial intelligence-Project 1.

- In the project 1 I have created a casual chatbot in which it will start asking all the information, and as well as the place where are you from, classes you are taking and also the universities you have applied to all in all it is a simple casual chatbot system.
- So, the bot will start with the a normal greeting message and ask “what is your name?” there is a name file in which all the names are saved and in which it will give access to the main bot.
- If you enter a name which is save din the names file it will take over further or if you have a different name it will prompt as a “that can’t be your name”. these are the following responses you can get from the bot.

```
responses_db(get_name, [  
    ['Is that your real name?'],  
    ['That\'s not your real name...'],  
    ['That can\'t be your name.'],  
    ['Just tell me your name...'],  
    ['I need to know your name!'],  
    ['Come on, what are you called?']  
]).
```

File Edit Settings Run Debug Help

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For built-in help, use ?- help(Topic). or ?- apropos(Word).

?-

% names compiled 0.11 sec, 5,495 clauses

% library(random) compiled into random 0.00 sec, 41 clauses

Bot : Hi there!

User: hello

Bot : What's your name?

User: vk

Bot : That can't be your name.

User: what is your name?

Bot : That's not your real name...

User: | vivek

Bot : Nice to meet you. So what subjects are you taking?

- The bot also responds to the answers what we asked for.

```
?~
% names compiled 0.11 sec, 5,495 clauses
% library(random) compiled into random 0.00 sec, 41 clauses
Bot : Good afternoon!
User: hi
Bot : What's your name?
User: vivek
Bot : Nice to meet you. So what subjects are you taking?
User: what is your name?
Bot : Are you sure?
User: | yes
Bot : Hold on, I need to know about your subjects!
User: computer sience
Bot : Haha, fair enough. Which universities have you applied to?
User: lakehead universities
Bot : Okay, so where are you from?
User: mumbai
Bot : Great!
User: what is your name?
Bot : my name is frank !
User: | |
```

- As you can bot responds to everything.

```
responses_db(bye, [
    ['Bye!'],
    ['Hope to see you again.'],
    ['Have a nice day!']
]).

responses_db(greeting, [
    ['Hello!'],
    ['Hello, nice to meet you.'],
    ['Hi there!'],
    ['Welcome!'],
    ['Good afternoon!'],
    ['Hi.']
]).

responses_db(change_topic, [
    ['Do you mind if I ask you some questions?']
]).

responses_db(location, [
    ['Where are you at the moment?'],
    ['What room are you in?'],
    ['Where are you?']
]).

responses_db(get_location, [
    ['Sorry, I don\'t know where that is.'],
    ['Are you sure that\'s in Q block?'],
    ['That\'s not in Q block...'],
    ['Can you try that again?'],
    ['I don\'t know that room, where is it?']
]).

responses_db(get_alevels, [
    ['Haven\'t heard of that one before!'],
    ['That\'s not a real subject...'],
    ['Are you sure?'],
```

- These are the responds that I have referred to.
- The conversations that I have made is:

```
conversations:-  
    repeat,  
    print_prompt(you),  
    readin(S),  
    gen_reply(S,R),  
    print_prompt(me),  
    write_list(R),  
    is_quit(S),  
    print_report, !,halt.
```

- The is_quit function is the function in which you will be able to quite the bot. The bot and the Prolog will automatically close down, by calling “bye” or any quit function.

```
gen_reply(S, R):-  
    is_quit(S), !,  
    responses_db(bye, Res),  
    random_pick(Res, R).
```