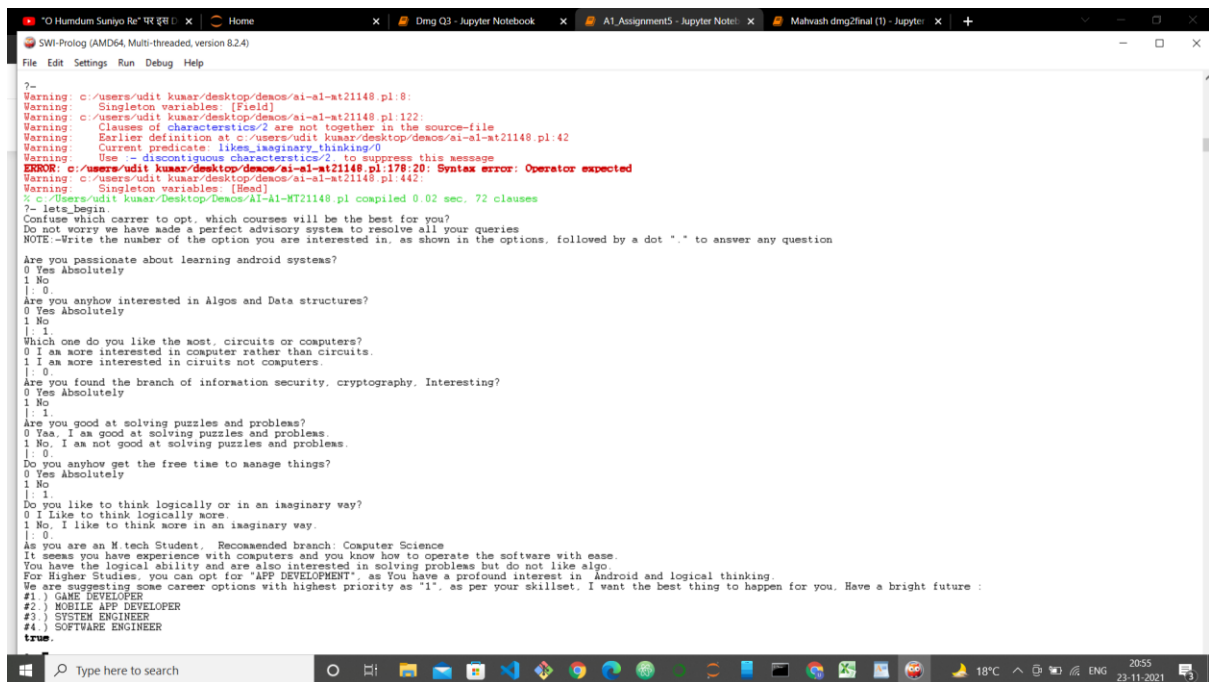# AI Assignment 5 :

Code :

AI-A5-UDIT KUMAR-MT21148.py

```python
import nltk
#To tokenize the string
from nltk.tokenize import word_tokenize
from nltk.stem import PorterStemmer
nltk.download('punkt')
check_List=[]
Interests=input("Which stream , or technology are you interested in
persuing a career")
my_Token=word_tokenize(Interests)
print("\...Tokens are ...", my_Token )
port_Stem=PorterStemmer()
# Printing the stem and the words generted by tokenizer
for my_w in my_Token:
    print("\n..word is..",my_w)
    my_Stem=port_Stem.stem(my_w)
    print("...stem is ...", my_Stem)
    check_List.append(my_Stem)
print("\n.. generated list is :",check_List)
f = open("make_new_Facts.pl",'w')
if "career" in check_List:
    if "app" in check_List:
        if "develop" in check_List:
            f.write("check(appdevelopment).")
    if "ai" in check_List:
        f.write("check(ai).")
    # interested in biology, so we generate a fact on biology.
    if "biolog" in check_List:
        f.write("check(biology).")
```

```
f.close()
```

Screenshots :

1.Interested field App development

2.Interested field Ai

File Edit Selection View Go Run Terminal Help

EXPLORER ··· original.java 9+ demo1.pl demo2.pl X copy_ai_prolog.java 9+

SWI-Prolog (AMD64, Multi-threaded, version 8.2.4)

File Edit Settings Run Debug Help

```
% c:/Users/udit kumar/Desktop/Demos/demo2.pl compiled 0.02 sec, 84 clauses
?- lets_begin .
Confuse which carrer to opt, which courses will be the best for you?
Do not worry we have made a perfect advisory system to resolve all your queries
NOTE:-Write the number of the option you are interested in, as shown in the options, followed by a dot "." to answer any question

Do you like to think logically or in an imaginary way?
0 I Like to think logically more.
1 No, I like to think more in an imaginary way.
|: 0 .
Which one do you like the most, circuits or computers?
0 I am more interested in computer rather than circuits.
1 I am more interested in ciruits not computers.
|: 0 .
Are you good at solving puzzles and problems?
0 Yaa, I am good at solving puzzles and problems.
1 No, I am not good at solving puzzles and problems.
|: 0 .
Do you have an interest in the number system?
0 Yes Absolutely
1 No
|: 1 .
Does Discrete Mathematics attract you?
0 Yes Absolutely
1 No
|: 0 .
Do you admire mathematics?
0 Yes Absolutely
1 No
|: 1 .
Are you anyhow interested in Algorithms and Data structures?
0 Yes Absolutely
1 No
|: 0 .
Do you anyhow get the free time to manage things?
0 Yes Absolutely
1 No
|: 1 .
Are you found the branch of information security, cryptography, Interesting?
0 Yes Absolutely
1 No
|: 1 .
As you are an M.tech Student,  Recommended branch: Computer Science
It seems you have experience with computers and you know how to operate the software with ease.
you are logical person.you are also good in discrete maths and problem solving. You have exprience of computers.So, you can take Artificial Intelligence as the specialization for higher studies.
We are suggesting some career options with highest priority as "1", as per your skillset, I want the best thing to happen for you, Have a bright future :
-1.) AI ENGINEER
-2.) DATA ENGINEER
-3.) DATA ANALYST
-4.) NLP ENGINEER
-5.) DATA RESEARCHER
-6.) SOFTWARE ENGINEER
-7.) QUALITY ASSURANCE ENGINEER
true.
```