

Experiment - 8

Aim:

Write a program to remove punctuations from the given string.

Program:

remove_punctuation(Input, Output) :-

```
atom_chars(Input, Chars),
remove_punctuation_helper(Chars, [], ReverseOutput),
reverse(ReverseOutput, OutputChars),
atom_chars(Output, OutputChars).
```

remove_punctuation_helper([], Acc, Acc).

remove_punctuation_helper([Char|Rest], Acc, Output) :-

```
punctuation(Char),
!,
remove_punctuation_helper(Rest, Acc, Output).
```

remove_punctuation_helper([Char|Rest], Acc, Output) :-

```
remove_punctuation_helper(Rest, [Char|Acc], Output).
```

punctuation(Char) :-

```
member(Char, ['.', ',', ';', ':', '!', '?', '-', '_', '"', '\', '(', ')', '[', ']', '{', '}']).
```

Output:

```

GNU Prolog console
File Edit Terminal Prolog Help
GNU Prolog 1.5.0 (32 bits)
Compiled Jul  8 2021, 12:47:53 with gcc
Copyright (C) 1999-2021 Daniel Diaz

compiling C:/Users/ankus/OneDrive/Desktop/ankush.pl for byte code...
C:/Users/ankus/OneDrive/Desktop/ankush.pl compiled, 18 lines read - 2518 bytes written, 14 ms
| ?- remove_punctuation('Hello, world!', Output).

Output = 'Hello world'

yes
| ?- |

```