EXPERIMENT -1

Aim: To execute Pandas program to select distinct department id from employees file.

Pseudocode:

1) Import the Pandas library as pd
2) create a dictionary called 'data' with the following keys and corresponding list of various values.
   - 'Dept_id'
   - 'Dept-name'
   - 'Manager_id'
   - 'location_id'
3) create a DataFrame 'df' from the 'data' dictionary.
4) Select the 'Dept_id' column from the DataFrame 'df' and remove duplicates values using drop-duplicates() method.
5) print the string "distinct department:"

Sample input:

Employee database (Dept_id, dept_name, manager_id, location_id)

Sample output:

Distinct department ids:

0	10
1	20
2	30
3	40
4	50

Result: Therefore the Pandas program to select distinct department ID is executed successfully.

```
Distinct Department IDs:
0      10
1      20
2      30
3      40
4      50
5      60
6      70
7      80
8      90
9     100
10    110
11    120
12    130
13    140
14    150
15    160
16    170
17    180
18    190
19    200
20    210
21    220
22    230
23    240
```