1. Write a Python program to read a value from a csv file and output its contents.

```
In [1]: import pandas as pd
        data=pd.read_csv('Categories.csv')
        print(data)
```

```
     id                 name                      createdAt  \
0     2          GENTS RING  2023-08-30 05:32:18.157+00
1     3      NAVARATNA GENTS  2023-08-31 07:31:00.225+00
2     4          LADIES RING  2023-09-02 10:22:44.208+00
3     5     NAVARATNA LADIES  2023-09-26 05:23:06.067+00
4     6                 STUD  2023-10-20 03:53:23.071+00
5     7     NAVARATNA BANGLE  2023-10-26 08:41:12.007+00
6     8           STUD DROPS  2023-11-17 08:35:55.137+00
7     9              PENDENT  2023-11-17 08:40:33.836+00
8    10    NAVARATNA PENDENT  2023-12-07 04:33:43.882+00
9    11      NAVARATNA  STUD  2023-12-07 06:23:49.212+00
10   12      NAVARATNA DROPS  2023-12-07 06:35:35.541+00
11   13   NAVARATNA NECKLACE  2023-12-07 06:46:21.165+00
12   14     NAVARATNA BANGLE  2023-12-07 06:52:03.313+00
13   15                DROPS  2023-12-29 04:06:44.847+00
14   16               NOSPIN  2024-01-20 10:09:10.284+00
15   17              BRACELET  2024-01-23 04:03:40.981+00
16   18               BANGLE  2024-01-25 05:08:08.818+00
17   19             NECKLACE  2024-01-25 06:05:12.537+00
18   20                JUMKA   2024-04-11 05:54:31.49+00

                   updatedAt
0     2023-08-30 05:32:18.157+00
1     2023-08-31 07:31:00.225+00
2     2023-09-02 10:22:44.208+00
3     2023-09-26 05:23:06.067+00
4     2023-10-20 03:53:23.071+00
5     2023-10-26 08:41:12.007+00
6     2023-11-17 08:35:55.137+00
7     2023-11-17 08:40:33.836+00
8     2023-12-07 04:33:43.882+00
9     2023-12-07 06:23:49.212+00
10    2023-12-07 06:35:35.541+00
11    2023-12-07 06:46:21.165+00
12    2023-12-07 06:52:03.313+00
13    2023-12-29 04:06:44.847+00
14    2024-01-20 10:09:10.284+00
15    2024-01-23 04:03:40.981+00
16    2024-01-25 05:08:08.818+00
17    2024-01-25 06:05:12.537+00
18     2024-04-11 05:54:31.49+00
```

2. Write a Python program to create a list that reads values from the user, and allows the user to output its contents from specified position in the list.

```
In [3]: isRead=True
        ls=[]
        while isRead:
            print("Enter the Category Name:")
            category=input()
            ls.append(category)
            print("Do you want to add more Categories? (Y/N)")
            choice=input()
            if choice=='N':
                isRead=False
        print(ls)
```

```
Enter the Category Name:
Do you want to add more Categories? (Y/N)
Enter the Category Name:
Do you want to add more Categories? (Y/N)
Enter the Category Name:
Do you want to add more Categories? (Y/N)
['ring', 'stud', 'bangle']
```

3. Write a Python program to create a table that reads values from the user, and allows the user to output its contents from specified positions in the table.

```python
In [11]: import pandas as pd
         import datetime

         data = []
         isRead = True

         while isRead:

             print("Enter the Name:")
             name_val = input()

             created_at_val = datetime.datetime.now().strftime('%m/%d/%Y')

             data.append({ 'name': name_val, 'createdAt': created_at_val,})

             print("Do you want to add more rows? (Y/N)")
             choice = input()
             if choice == 'N':
                 isRead = False

         df = pd.DataFrame(data)
         print(df)
```

```
Enter the Name:
Do you want to add more rows? (Y/N)
Enter the Name:
Do you want to add more rows? (Y/N)
Enter the Name:
Do you want to add more rows? (Y/N)
      name    createdAt
0      stud  08/23/2024
1    bangle  08/23/2024
2      ring  08/23/2024
```

```python
isRead = True
while isRead:
    print("Enter the position do you want:")
    id_val = int(input())
    print(df.loc[id_val, ['name', 'createdAt']])
    print("Do you want to show more rows? (Y/N)")
    choice = input()
    if choice == 'N':
        isRead = False
```

```
Enter the position do you want:
name              bangle
createdAt     08/23/2024
Name: 1, dtype: object
Do you want to show more rows? (Y/N)
Enter the position do you want:
name                stud
createdAt     08/23/2024
Name: 0, dtype: object
Do you want to show more rows? (Y/N)
```