Name: Vinayak Kumar Singh **Subject:** Python Lab

Register No: 23MCA1030 **Date**:30-08-2023

Exercise 6: Dictionaries

Q2. Write a python Program to create a dictionary containing the names and prices of menu items in a restaurant, and another dictionary containing the names and ratings of each item.

- Search for an item in the dictionary whose price is > 500.
- How would you find the name of the highest-rated item on the menu?
- Arrange the items based on their ratings.

```
menuprices = {
    'Salad': 300,
    'Samosa': 150,
    'Pasta': 200,
    'Biryani': 700,
    'Pav Bhaji': 150,
    'Misal Pav': 100,
    'Aloo Paratha': 250,
    'Chole Bhature': 300,
}
ratings = {
    'Salad': 4.0,
    'Samosa': 4.2,
    'Pasta': 3.8,
    'Biryani': 4.4,
    'Pav Bhaji': 2.9,
    'Misal Pav': 3.9,
    'Aloo Paratha': 4.3,
    'Chole Bhature': 4.8,
}
```

```
pricemorethan500 = {item: price for item, price in
menuprices.items() if price > 500}
print("Items with price > 500:", pricemorethan500)

highest_rated = max(ratings, key=ratings.get)
print("Highest Rated item is:", highest_rated)

sortwithrating = sorted(ratings.items(), key=lambda item:
item[1], reverse=True)
print("Menu items arranged in Highest to lowest
rating:\n",sortwithrating)
```

Output:

```
D:\MCA>python -u "d:\MCA\6. Python Programming + LAB\LAB\6.2.py"
Items with price > 500: {'Biryani': 700}
Highest Rated item is: Chole Bhature
Menu items arranged in Highest to lowest rating:
 [('Chole Bhature', 4.8), ('Biryani', 4.4), ('Aloo Paratha', 4.3), ('Samosa', 4.2), ('Salad', 4.0),
 ('Misal Pav', 3.9), ('Pasta', 3.8), ('Pav Bhaji', 2.9)]
```

END