Day-3 evening assessment

1.d=dict()

2.d={‘name’:’vidya’ , ’age’:23}

3.d={}

d[city]=’Hyderabad’

4. d={‘name’:’vidya’ , ’age’:23}

Print(d[key])

o/p: vidya

5.d[‘age’]=30

6.del d[‘city’]

7. d={‘name’:’vidya’ , ’age’:23}

#check if ‘name’ exists

If ‘name’ in d:

print(“key name exists”)

else:

print(“key name does not exists”)

8. d={"name":"vidya" , "age":23}  
print(d.keys())

o/p: dict\_keys(['name', 'age'])

9. d={"name":"vidya" , "age":23}  
print(d.values())

o/p: dict\_values(['vidya', 23])

10. d={"name":"vidya" , "age":23}  
print(d.items())

o/p: dict\_items([('name', 'vidya'), ('age', 23)])

11. d={"name":"vidya" , "age":23}  
print(d.get('name'))

o/p:vidya

12. d={"name":"vidya" , "age":23}  
print(d.get('place','rjy'))

13. d={"apple":"red" , "banana":"yellow","orange":"orange"}

14. d={"apple":"red" , "banana":"yellow","orange":"orange"}  
 d.update({"apple":"green"})  
 print(d)

o/p: {'apple': 'green', 'banana': 'yellow', 'orange': 'orange'}

15. d={"apple":"red" , "banana":"yellow","orange":"orange"}  
d.pop("apple")  
print(d)

o/p: {'banana': 'yellow', 'orange': 'orange'}

16. d={"apple":"red" , "banana":"yellow","orange":"orange"}  
d.clear()  
print(d)

o/p: {}

17. d={"apple":"red" , "banana":"yellow","orange":"orange"}  
copied\_dict=d.copy()  
print(copied\_dict)

o/p: {'apple': 'red', 'banana': 'yellow', 'orange': 'orange'}

18. d={"apple":"red" , "banana":"yellow","orange":"orange"}  
for k in d.keys():  
 print(k)

o/p: apple

banana

orange

19. d={"apple":"red" , "banana":"yellow","orange":"orange"}  
for v in d.values():  
 print(v)

o/p: red

yellow

orange

20. d={"apple":"red" , "banana":"yellow","orange":"orange"}  
for k,v in d.items():  
 print(k,v)

o/p:

apple red

banana yellow

orange orange

21. **d={x:x\*x for x in range(1,6)}  
print(d)**

**o/p: {1: 1, 2: 4, 3: 9, 4: 16, 5: 25}**

22. d={x:x\*x for x in range(1,6)}  
print(len(d))

o/p:5

23. d1={"banana":"yellow","orange":"orange"}  
d2={"apple":"red"}  
d1.update(d2)  
print(d1)

o/p: {'banana': 'yellow', 'orange': 'orange', 'apple': 'red'}

24. student={"name":"vidya" , "marks":90 ,"grade":'A'}

25. student={"name":"vidya" , "marks":90 ,"grade":'A'}  
print(student["name"])

o/p: vidya

26. throws a KeyError

27.It returns None by default

28. student={"name":"vidya" , "marks":90 ,"grade":'A'}  
if (len(student)==0):  
 print("Student is empty")

29. student={"name":"vidya" , "marks":90 ,"grade":'A'}

30. student={"name":"vidya" , "marks":90 ,"grade":'A'}  
for v in student.values():  
 if isinstance(v,(int,float)) and v>50:  
 print(v)

o/p: 90

31. list1=["name","age","marks"]  
list2=["vidya",23,90]  
print(dict(zip(list1,list2)))

o/p: {'name': 'vidya', 'age': 23, 'marks': 90}

32. **d={x:x\*x for x in range(1,6)}  
print(d)**

**o/p: {1: 1, 2: 4, 3: 9, 4: 16, 5: 25}**

33. my\_dict={'name': 'vidya', 'age': 23, 'marks': 90}  
my\_dict['address']={"city":"banglore"}  
print(my\_dict)

o/p: {'name': 'vidya', 'age': 23, 'marks': 90, 'address': {'city': 'banglore'}}

34. my\_dict={'name': 'vidya', 'age': 23, 'marks': 90}  
my\_dict['address']={"city":"banglore"}  
print(my\_dict['address']['city'])

o/p: banglore

35. my\_dict={'name': 'vidya', 'age': 23, 'science marks': 90 ,’maths marks’:97}

36. my\_dict={'name': 'vidya', 'age': 23, 'marks': 23}  
my\_dict.pop('name')  
print(my\_dict)

o/p: {'age': 23, 'marks': 23}

my\_dict={'name': 'vidya', 'age': 23, 'marks': 23}  
del my\_dict  
print(my\_dict)

NameError: name 'my\_dict' is not defined

🡪pop is used to delete a value from dictionary while del is used to delete the entire dictionary.

37. my\_dict={1: 123, 2: 789, 3: 23}  
print(max(my\_dict.values()))

o/p: 789

38. my\_dict={1: 123, 2: 789, 3: 23}  
print(sum(my\_dict.values()))

o/p: 935

39. my\_dict={1: 123, 2: 123, 3: 23}  
target=123  
matching\_keys=[k for k,v in my\_dict.items() if v==target]  
print(matching\_keys)

o/p: [1, 2]

40. my\_dict={}  
word=input("Enter a word: ")  
for char in word:  
 if char in my\_dict:  
 my\_dict[char]+=1  
 else:  
 my\_dict[char]=1  
print(my\_dict)

o/p: Enter a word: malayalam

{'m': 2, 'a': 4, 'l': 2, 'y': 1}