

NETWORK PROGRAMMING

Question Bank

Helping Others Have Special taste

Questions

1- -----module is used for creating, controlling and managing threads in python.

- A. Threading
- B. Socket
- C. TCP
- D. UDP

2- _____ This method is used to start the thread's activity

- A. start()
- B. connect()
- C. accept()
- D. listen()

3- _____ thread parameter is the callable object or task to be invoked by the run() method(the function names)

- A. target
- B. args
- C. group
- D. name

4- _____ is the argument tuple for the target invocation. We can provide values in it which can be used in the target method

- A. target
- B. args
- C. group
- D. name

5- The result of the following python program is :-

```
def thread(i):  
    print(i)  
    i = i + 1  
i = 10  
th = threading.Thread(target=thread, args=(i))  
print(i)  
th.start()
```

- A. 10
- B. 11
- C. Exception
- D. Otherwise

6- The result of the following python program is :-

```
def thread(i):  
    print(i)  
    i = i + 1  
i = 10  
th = threading.Thread(target=thread, args=(i,))  
print(i)  
th.start()
```

- A. 10 , 10
- B. 11 , 10
- C. Exception
- D. Otherwise

7- The result of the following python program is :-

```
def thread(i):  
    i = i + 1  
    print(i)  
i = 10  
th = threading.Thread(target=thread, args=(i,))  
print(i)  
th.start()
```

- A. 10 , 10
- B. 11 , 10
- C. Exception
- D. 10 , 11**

8- The result of the following python program is :-

```
def thread1():  
    print("Thread1")  
def thread2():  
    print("Thread2")  
t1=threading.Thread(target=thread1)  
t2=threading.Thread(target=thread2)  
t2.start()  
t1.start()
```

- A. Thread1,Thread2
- B. Thread1,Thread1
- C. Thread2,Thread1**
- D. Error

9-Function _____ Collections Of Data.

- A. Array
- B. Lists**
- C. Queue
- D. Map

10-Function_____ Add new element may be glued to the end of the existing list.

- A. **Append**
- B. Add
- C. Push
- D. Insert

11-Function _____ Remove all items.

- A. **Clear()**
- B. POP()
- C. Remove()
- D. Del()

12- Function _____ Remove an item by index and get its value.

- A. Clear()
- B. **POP()**
- C. Remove()
- D. Del()

13- Function _____ Remove an item by value.

- A. Clear()
- B. POP()
- C. **Remove()**
- D. Del()

14- Function _____ Remove items by index or slice.

- A. Clear()
- B. POP()
- C. Remove()
- D. **Del()**

15- A typical _____ program creates some remote objects, makes references to these objects accessible, and waits for clients to invoke methods on these objects.

- A. **Server**
- B. Client
- C. **Thread**
- D. Concurrent

16-Function_____takes a protocol string like TCP, UDP or ICMP and returns the associated constant for the protocol as defined by the socket module.

- A. **getprotobyname()**
- B. getsevrbyname()
- C. getservbyport()
- D. all the above

17- The result of the following python program is :-

```
import socket
const_num=socket.getprotobyname("udp")
print(const_num)
```

- A. 12
- B. **17**
- C. 6
- D. 7

18- The result of the following python program is :-

```
import socket
const_num=socket.getprotobyname("tcp")
print(const_num)
```

- A. 12
- B. 17
- C. **6**
- D. 7

19- The result of the following python program is :-

```
import socket
const_num=socket.getprotobyname("icmp")
print(const_num)
```

- A. 12
- B. 17
- C. 6
- D. 7

20- What function used to get port number for http service ?

- A. getservbyport("http")
- B. getservbyname("http")
- C. getprotobyname("http")
- D. Otherwise

21- Which protocol use for real-time service?

- A. TCP
- B. UDP
- C. both a and b
- D. Otherwise

22- In encode method what is default value for encoding parameter?

- A. UTF-16
- B. ASCII
- C. CP500
- D. UTF-8

23- To get protocol number for TCP we use _____

- A. socket.getprotobyname("TCP")
- B. socket.getprotobynumber("TCP")
- C. socket.getprotoname("TCP")
- D. Otherwise

24- The address family for IPV4 is _____

- A. AF_INET4
- B. AF_INET6
- C. **AF_INET**
- D. Otherwise

25- The address family for IPV6 is _____

- A. AF_INET4
- B. **AF_INET6**
- C. AF_INET
- D. Otherwise

26- The third field in the socket() call _____

- A. **Protocol**
- B. socket type
- C. socket family
- D. Otherwise

27- The second field in the socket() call _____

- A. Protocol
- B. **socket type**
- C. socket family
- D. Otherwise

28- The first field in the socket() call _____

- A. Protocol
- B. socket type
- C. **socket family**
- D. Otherwise

29-_____ returns a list of tuples for a given network service with which sockets can be created to connect to that service.

- A. **getaddrinfo method**
- B. getservbyport method
- C. getservbyname method
- D. Otherwise

30-_____ This returns the remote address to which this socket is connected.

- A. **getpeername()**
- B. getsockname()
- C. recvfrom()
- D. sendto()

31-_____ This returns the address of this socket's own local endpoint.

- A. getpeername()
- B. **getsockname()**
- C. recvfrom()
- D. sendto()

32-How many Socket Coordinates_____.

- A. One
- B. **Two**
- C. Three
- D. **Five**

33-To create socket object we write_____.

```
import socket
infoL =socket.getaddrinfo(None,
'smtp',socket.AF_INET,socket.SOCK_STREAM)
inf=infoL[0]
```

- A. sok=socket.socket(*inf[0:3])
- B. sok=socket.socket(inf[0:3])
- C. sok=socket.socket(*inf[0:5])
- D. Otherwise

34-To create bind we write_____.

```
import socket
infoL =socket.getaddrinfo(None,
'smtp',socket.AF_INET,socket.SOCK_STREAM)
inf=infoL[0]
```

- A. myobjectsocket.bind(*inf[0:5])
- B. myobjectsocket.bind(*inf[4:5])
- C. myobjectsocket.bind(inf[4:5])
- D. Otherwise

35-_____method used only in server socket.

- A. accept()
- B. connect()
- C. bind()
- D. Otherwise

36-.....is keyword argument dictionary for the target invocation. This defaults to {}.

- a- Group
- b-kwargs
- c- Target
- d- Args

37-..... can add a new element at the end.

- a- list.insert(location, value)
- b- clear()
- c- pop()
- d- list.append(value)

38-..... can add a new element at any place in the list, not only at the end.

- a- list.append(value)
- b- clear()
- c- list.insert(location, value)
- d- pop()

39- For TCP the getprotobyname() returns a constant value of, and for UDP the constant returned by getprotobyname() is and icmp the returned constant value is

- a-6,7,17
- b-7,6,17
- c-17,6,7
- d-6,17,7

40-..... returns a tuple containing Host Name, Alias list for the IP address if any, IP address of the host.

- a- gethostname()
- b- gethostbyaddr(ip_address)
- c- gethostbyname()
- d- getprotobyname()

41-..... use to transform the hostnames and port numbers that your users specify into addresses that can be used by socket methods.

- a- gethostname()
- b- gethostbyaddr(ip_address)
- c- gethostbyname()
- d- **getaddrinfo()**

42-..... takes either an ip address or a host name.

- a- The host parameter**
- b- The family parameter
- c- The type parameter
- d- The port parameter

Answers

| Question | Answer |
|----------|--------|
| 1 | A |
| 2 | A |
| 3 | A |
| 4 | B |
| 5 | C |
| 6 | A |
| 7 | D |
| 8 | C |
| 9 | B |
| 10 | A |
| 11 | A |
| 12 | B |
| 13 | C |
| 14 | D |
| 15 | A |
| 16 | A |
| 17 | B |
| 18 | C |
| 19 | D |
| 20 | B |
| 21 | B |
| 22 | D |

Lec3&4

| | |
|----|---|
| 23 | A |
| 24 | C |
| 25 | B |
| 26 | A |
| 27 | B |
| 28 | C |
| 29 | A |
| 30 | A |
| 31 | B |
| 32 | D |
| 33 | A |
| 34 | B |
| 35 | A |
| 36 | B |
| 37 | D |
| 38 | C |
| 39 | D |
| 40 | B |
| 41 | D |
| 42 | A |

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