

Class-XII
COMPUTER SCIENCE (Subject Code: 083)
Subjective Practice Paper-2
(Unsolved)

Answer Key

```
1. def popStack(library):  
    if len(library)==0:  
        print("Underflow")  
    else:  
        L = len(library)  
        Deleted_book=library[L-1]  
        print(Deleted_book)  
        library.pop( )
```

2.

- **Web Browser:** A web browser is a software application for accessing information on the World Wide Web. When a user requests a web page from a particular website, the web browser retrieves the necessary content from a web server and then displays the page on the user's device.
- **Web Server:** A web server is a computer that runs websites. The basic objective of the web server is to store, process and deliver web pages to the users. This intercommunication is done using Hypertext Transfer Protocol (HTTP).
Popular web browsers: Google Chrome, Mozilla Firefox, Internet Explorer etc.

3. The DELETE command deletes rows from a table. If we do not use where clause it will delete all records from the table but the table shall remain whereas the DROP TABLE command removes a table physically from the database.

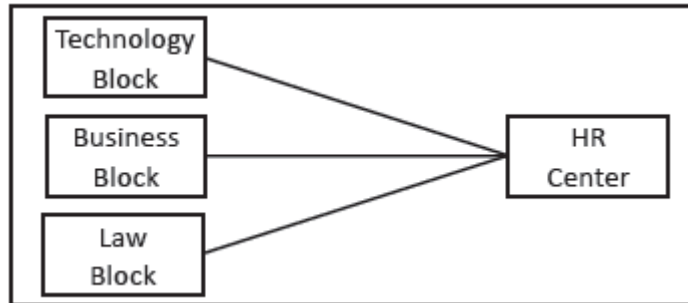
4. Pooja has declared marks field as int meaning integer. This means that she can only enter whole numbers in the field. In order to enter decimal numbers she must change the data type of the field to decimal or float. The command will be:
ALTER TABLE Result MODIFY marks float;

```
5. def push(grocery):
    d={}
    ino=input("Enter Item number")
    name=input("Enter Item name")
    qty=input("Enter Quantity")
    price=input("Enter Unit price")
    d[ino]=[name, qty,price]
    grocery.append(d)
def pop(grocery):
    if len(grocery)==0:
        print("Underflow")
    else:
        grocery.pop( )
l1=[]
ch='y'
while ch in 'yY':
    print("1. Add a record")
    print("2. Delete a record")
    no=int(input("Enter Choice"))
    if no==1:
        push(l1)
    elif no==2:
        pop(l1)
    ch=input("Do you want to continue?")

print("Stack : " , l1)
```

6.

- a. Most suitable place to install the server is HR center, as this center has maximum number of computers.



- b. Switch
- c. Repeater may be placed when the distance between 2 buildings is more than 70 meter.

7.

- (i) Sum(capacity)
265
- (ii)

DEPARTMENT	COUNT (NO_OF_LECTURES)
Mathematics	4
Biology	8
Chemistry	7
English	9
History	8

(iii)

CNAME	CDURATION	INCHARGE
Physics H	36	Dr Preeti Verma
Eng H	40	Dr Preeti Verma

8. (i)
AVG(CAPACITY)
46

(ii)

COACH	SUM(CHARGES)
G.S. Sharma	6000
B.N.Verma	7600
R.S. Khanna	4000
RitikaSharma	2400

(iii)

SPORTS.SNAME	CAPACITY	CHARGES	SPORTS.COACH
Cricket	40	3600	G. S. Sharma
Table Tennis	60	2400	G.S. Sharma
Tennis	45	3600	B.N. Verma
Baseball	45	4000	B.N. Verma
Football	NULL	4000	R.S. Khanna
Squash	40	2400	Ritika Sharma

9.

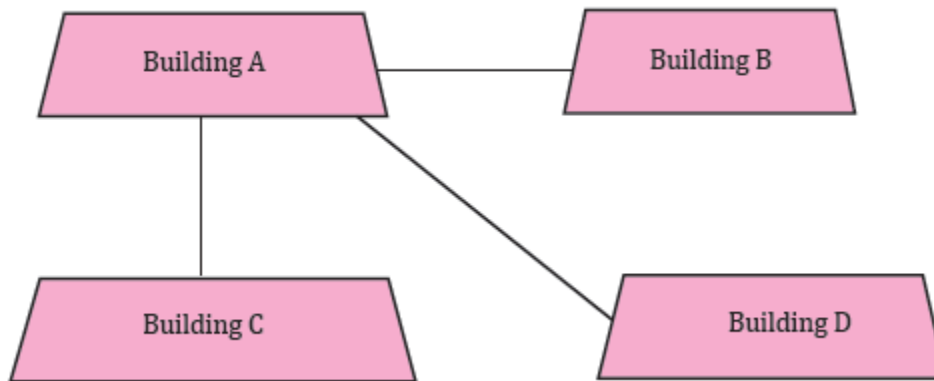
- SELECT * FROM INVENTORY ORDER BY STOCKDATE;
- SELECT * FROM INVENTORY WHERE UNITPRICE>8;
- SELECT * FROM INVENTORY WHERE DCODE=103 OR QTY<100;
- UPDATE INVENTORY SET UNITPRICE=UNITPRICE+0.02*UNITPRICE;
- SELECT DCODE, MIN(UNITPRICE) FROM INVENTORY, DEALER WHERE DEALER.DCODE=INVENTORY.DCODE GROUP BY DEALER.DCODE;

10.

- SELECT TEACHERNAME,PERIODS FROM SCHOOL WHERE PERIODS>25;
- SELECT TEACHERNAME FROM SCHOOL HAVING MAX(EXPERIENCE);
- SELECT DISTINCT DESIGNATION FROM ADMIN;
- SELECT SUBJECT, ANG(EXPERIENCE) FROM SCHOOL GROUP BY SUBJECT;
- SELECT TEACHERNAME, SCHOOL.CODE, DESIGNATION FROM SCHOOL, ADMIN WHERE SCHOOL.CODE=ADMIN.CODE AND GENDER='Male';

11.

a.



- b. Building A as it has maximum number of computers.
- c. A switch or a Hub
- d. No need for repeater as there is no connection which is more than 70 meters apart.
- e. Radio Waves