Name:B.Swarnalatha   EmployeeId:491793   Batch-1   PostAssesment

1.c
2.b
3.a,b
4.b

5.Filtering Even Numbers using lamda function in python
li = [3, 4, 2, 6, 8, 10, 12, 15, 20]
evenNumbers = filter(lambda x: x%2==0, li)
print evenNumbers
in javascript:
var numbers = [3, 4, 2, 6, 8, 10, 12, 15, 20];
var even = numbers.filter(function(number) {
if(number%2==0){
return number ;
 }
});

6.sum program using reduce function
# importing functools for reduce()
import functools
# initializing list
lis = [56, 23, 78, 12, 66, 45, 89]
# using reduce to compute sum of list
print ("The sum of the list elements is : ",end="")
print (functools.reduce(lambda a,b : a+b,lis))
In javascript:
var arr = [56, 23, 78, 12, 66, 45, 89];
        function sumofArray(sum, num) {
        return sum + num;
        }
arr.reduce(sumofArray);

7.Program for the numbers divisible by 4
li = [45, 40, 32, 12, 67, 88, 45, 24, 19]
DivisibleByFour = filter(lambda x: x%4==0, li)
print DivisibleByFour
In javascript:
var numbers = [45, 40, 32, 12, 67, 88, 45, 24, 19];
var even = numbers.filter(function(number) {
if(number%4==0){
return number ;

```
    }
});
```

8.c
9.c
10.d
11.d
12.c
13.d
14.a and c
15.d
16.a
17.d
18.a
19.c
20.c
21.d
22.a
23.c
24.b
25.b
26.b
27.b
28.b
29.b
30.d
31.a
32.c
33.a
34.d
35.B,C,D


```
36.SELECT
  EmailAdd,
  CASE WHEN EmailAdd LIKE '%_@_%_.__%'
        AND EmailAdd NOT LIKE '%[Invalid Chars]%'
  THEN 'Email Address is Correct'
  ELSE 'Invalid Email Address'
  END AS 'MSG'
FROM
  Table1
```

37.create procedure spproc (sdate date,edate date, insertdate date)
BEGIN
create table calendar(cdate date,weekday varchar(3),monthno int,quarter varchar(8),year int) ;
         CASE
         WHEN MONTH(insertdate) BETWEEN 1 AND 3 THEN 'Q3'
         WHEN MONTH(insertdate) BETWEEN 4 AND 6 THEN 'Q4'
         WHEN MONTH(insertdate) BETWEEN 7 AND 9 THEN 'Q1'
         WHEN MONTH(insertdate) BETWEEN 10 AND 12 THEN 'Q2'
           END AS Quarter;
IF (insertdate >=sdate AND insertdate<=edate)
 BEGIN
  insert into table values(curdate(),select (EXTRACT(DAY FROM date)),select
(EXTRACT(MONTH FROM date)),Quarter,select (EXTRACT(YEAR FROM date)));
 END;
 END;
CALL spproc ('2019/01/01'.'2020/01/01','2019/02/14');

38.To fetch even Numbered row:
SELECT * FROM table_name WHERE column_name % 2 = 0
To fetch odd Numbered row:
SELECT * FROM table_name WHERE column_name % 2 = 1

39.Table name:YourTable it consist of emp_name,emp_address,sex,marital_status
Query to remove duplicates without using distinct keyword by using selfjoin
SELECT emp_name, emp_address, sex, marital_status
from YourTable a
WHERE NOT EXISTS (select 1
         from YourTable b
         where b.emp_name = a.emp_name and
         b.emp_address = a.emp_address and
         b.sex = a.sex and
         b.create_date >= a.create_date)

Remove Duplicates using group By
SELECT FirstName, LastName, MobileNo, COUNT(*) as CNT
FROM CUSTOMER
GROUP BY FirstName, LastName, MobileNo;
HAVING COUNT(*) = 1

40.SELECT Salary,EmpName
FROM
 (
   SELECT Salary,EmpName,ROW_NUMBER() OVER(ORDER BY Salary) As RowNum

```
    FROM EMPLOYEE
  ) As A
WHERE A.RowNum IN (2,3)
```