

FINAL ASSESSMENT  
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1.C

2.B

3.A,B

4.B

5.CODE :

```
let list: number[] = [ 3, 4, 2, 6, 8, 10, 12, 15, 20];  
let filter = (list1:number[]): number[] => {  
  let list2:number[]=[];  
  for(let list of list1)  
    if(list%2==0)  
      list2.push(list);  
  return list2;  
}
```

```
list=filter(list);  
console.log(list);
```

6.CODE :

```
var total = [56, 23, 78, 12, 66, 45, 89].reduce(function(a, b){ return a +  
b; });  
console.log("total is : " + total );
```

7.CODE :

```
let list: number[] = [45, 40, 32, 12, 67, 88, 45, 24, 19];  
function filter(list1:number[]): number[] {  
  let list2:number[]=[];  
  for(let list of list1)  
    if(list%4==0)  
      list2.push(list);  
  return list2;  
}
```

```
list=filter(list);  
console.log(list);
```

8.C

9.C

10.D

11.D

12.C

13.D

14.A,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.QUERY

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.QUERY :
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.FOR EVEN ROWS:
SELECT * FROM Employee WHERE MOD(rownum,2)=0;
FOR ODD ROWS:
SELECT * FROM Employee WHERE MOD(rownum,2)=1;
39.QUERY :
SELECT FirstName, LastName, MobileNo, COUNT(*) as CNT
FROM CUSTOMER
GROUP BY FirstName, LastName, MobileNo;
HAVING COUNT(*) = 1
40.QUERY :
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)

```