



بسم الله الرحمن الرحيم

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کوییز پایگاه داده

1-a)

```
SELECT a.ename , a.age
FROM Emp AS a
INNER JOIN Works b ON a.eid=b.eid
INNER JOIN Dept AS c ON b.did=c.did
Where c.dname IN ('Software','Hardware')
GROUP BY a.ename , a.age
HAVING count(DISTINCT d.id)=2
```

b)

فرض: 20 تا فول تایم یعنی جمع درصد بشه  $2000 = 100 * 20$

```
SELECT a.did, COUNT (a.eid)
FROM Works a
GROUP BY a.did
HAVING 2000 < ( SELECT SUM (b.pct_time)
FROM Works b
WHERE b.did = a.did )
```

c)

```
SELECT a.ename
```

```
FROM Emp a
```

```
Where a.saalry>ALL(SELECT c.budget  
from Works b, Dept AS c
```

```
WHERE a.eid=b.eid AND b.did=c.did )
```

d)

```
SELECT a.ename
```

```
FROM Emp a INNER JOIN Dept b on  
a.eid = b.managerid
```

```
WHERE b.budget>1000000
```

```
GROUP BY a.eid, a.ename
```

```
HAVING 1>count(SELECT a.ename
```

```
FROM Emp a INNER JOIN Dept b on  
a.eid = b.managerid
```

```
WHERE b.budget<5000000 )
```