

Oracle  
Practice  
Memory

Name: \_\_\_\_\_  
Class: \_\_\_\_\_  
Date: \_\_\_\_\_

The Oracle machine shows the following picture:

SGA			
0	1	2	3
7 Gudrun €200	9 Susi € 20	3 Martin €200	
8 Erich €180		4 Werner € 0	

  

Harddisk			
1 Alex €500			7 Gudrun €200
2 Fritz €700			8 Erich €180
	3 Martin €200	9 Susi € 20	
	4 Werner € 0		

Free list: 3

LRU: 1 2 0

Dirty:

```
UPDATE bank_account
SET amount = amount - 20
WHERE account_id = 7;
COMMIT;
```

Free list: \_\_\_\_\_

LRU: \_\_\_\_\_

Dirty: \_\_\_\_\_

```
SELECT *
FROM bank_account
WHERE account_id = 9;
COMMIT;
```

Free list: \_\_\_\_\_

LRU: \_\_\_\_\_

Dirty: \_\_\_\_\_

**FREE ONE BLOCK**

Free list: \_\_\_\_\_

LRU: \_\_\_\_\_

Dirty: \_\_\_\_\_

```
SELECT *  
FROM bank_account  
WHERE account_id = 3;  
COMMIT;
```

Free list: \_\_\_\_\_

LRU: \_\_\_\_\_

Dirty: \_\_\_\_\_

```
UPDATE bank_account  
SET amount = amount + 100  
WHERE account_id = 9;  
COMMIT;
```

Free list: \_\_\_\_\_

LRU: \_\_\_\_\_

Dirty: \_\_\_\_\_

**FREE ONE BLOCK**

Free list: \_\_\_\_\_

LRU: \_\_\_\_\_

Dirty: \_\_\_\_\_