Övning 5

1

```
//** Undersöker om strängarna s1 och s2
är lika långa och alla tecknen i s1 är
lika med motsvarande tecken i s2.*/
public static boolean equals(string sI,
                                    strings2)
    if (s1.length != s2.length)
            return false;

    for(int i = 0; i < sI.length, i++){
        if(sI.charAt(i) != s2.charAt(i)
            return false;

    }
    return true;

}
```

```
public String reverse (String s){
    Stringbuilder sb = new Stringbuilder();
    for(int i = s.length; i>=0; i--){
        sb.append (s.charAt(i));
    }
    return sb.toString();
}
```

3

a)
```
int sum;
for (int i = 0; i < cards.size(); i++){
    sum += cards.get(i).getRank();
}
```

b)
```
int pos=-1;
for (int i=0; i<cards.size(); i++){
    if (cards.get(i).getRank==12 &&
        cards.get(i).getSuit=Card.SPADES){
        pos = i;
        break;
    }
}
```

3

c)
```
Card newCard = new Card(s,r);
for (int i=0; i< cards.size(); i++){
    if (cards.get(i).getRank < r)
        cards.add(i, newCard)              (newCard.getRn
}
```

4
```
String name;
String nbr;
private ArrayList<Person> persons;
public PhoneDirectory(){
    persons = new ArrayList<Person>();
}

public boolean insert(String name, String
                                       nbr){
    Person p = new Person(name, nbr)
    if (findPerson(name) != null) {
        persons.add(p);
    {
{
private Person findPerson(String name){
    for(Person i: persons){
        if(i.getName().equals(name))
            return i;
    {
    return null;
```

```java
public void delete(String name){
    persons.remove(persons.findPerson(name).
                        indexOf(1));

}


public String findNbr(String name){
    int pos=-1
    for(Person i: persons){
        if(i.getName.equals(name)){
            return i.getPhoneNbr;
        }
    }
    return null;

}

public ArrayList<String> startsWith(String s){
    ArrayList<String> a =new ArrayList<>();
    for(Person p: persons){
        if (p.getName.startsWith(s)){
            a.add(a.getName());
        }
    }
    return a

}
```

```java
Public  String toString(){
        StringBuilder sb= new StringBuilder();
    for(Person p: persons)

    sb.append(p.getName);
    sb.append(' ');
    sb.append(p.getNbr);
    sb.append(\n);

}
```