Assigment 2

input output

hat aht,ath,hat,hta,tah,tha

abc abc,acb,bac,bca,cab,cba

Zu6 6Zu,6uZ,Z6u,Zu6,u6Z,uZ6

**public** **class** Assignment2 {

**public** **static** **void** permute(String str,**int** i, **int** j ){

**if**(i==j){

System.***out***.println(str);

}

**else**{

**for**(**int** k=i;k<=j;k++){

str = *swap*(str, i, k);

*permute*(str, i + 1, j);

str = *swap*(str, i, k);

}

}

}

**public** **static** String swap(String str, **int** i,**int** k){

**char**[] a = str.toCharArray();

**char** temp = a[i];

a[i] = a[k];

a[k] = temp;

str = String.*valueOf*(a);

**return** str;

}

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

*permute*("abc",0,"abc".length()-1);

System.***out***.println("-------------------");

*permute*("hat",0,"hat".length()-1);

System.***out***.println("-------------------");

*permute*("Zu6",0,"Zu6".length()-1);

}

}