Table (e.g. if first offset character is B) (e.g. if first offset character is B) (e.g. if first offset character is B) (character is F) O A /	
offset character is B) offset character is F) O A /	
character is B) character is F) O A / / + You are to write an encoder that tal plaintext and encode it to another obfuscated string. The logic of the encoded is given below: A E D / / / / / / / / / / / / / / / / / /	
1 B A , plaintext and encode it to another obfuscated string. The logic of the encoding is given below: 2 C B - obfuscated string. The logic of the encoding is given below: 4 E D / 5 F E A Logic: 6 G F B The message is encoded. The first cloop of the encoded message will indicate starting mapping index. Any charact in the reference table will mapped by the same character. starting mapping index. Any charact in the reference table will mapped by the same character. 10 K J F the same character. 11 L K G the same character. 12 M L H e.g. the message 14 O N J HELLO WORLD 15 P O K HELLO WORLD 16 Q P L Is encoded to: 17 R Q M 18 S R N BGDKKN VNQKC 19 T S O 20 U T P If the first character B is taken as the character (Shift table forward by 1 element). 21 V U Q C 23 X W S 24 Y X T FC/GGJ RJMG. 25 Z Y U Graph of the encoded transcription of the encoded message will indicate starting mapping index. Any character (Shift table forward by 5	
2 C B - obfuscated string. The logic of the expension of	ncoding
3 D C . / decoding is given below: 4 E D / Logic: Logic: </td <td>ncoding</td>	ncoding
4 E D / 5 F E A 6 G F B 7 H G C 8 I H D 9 J I E 10 K J F 11 L K G 12 M L H 13 N M I 14 O N J 15 P O K 16 Q P L 17 R Q M 18 S R N 19 T S O 20 U T P 21 V U Q 22 W V R 23 X W S 24 Y X T 25	
5 F E A Logic: 6 G F B The message is encoded. The first of of the encoded message will indicat starting mapping index. Any charact in the reference table will mapped in the same character. 5 The message is encoded. The first of of the encoded message will indicat starting mapping index. Any charact in the reference table will mapped in the same character. 5 The message is encoded. The first of the encoded message will indicat starting mapping index. Any charact in the reference table will mapped in the same character. 5 The message is encoded. The first character in the message is encoded. The first character. 6 The message is encoded. The first character in the encoded message will indicat starting mapping index. Any character. 4 A A The message is encoded. The first character in the encoded message will indicat starting mapping index. Any character. 4 A A A The message is encoded. The first character in the encoded message will indicat starting mapping index. Any character. A A A Be.	
6 G F B 7 H G C C of the encoded. The first cloop of the encoded message will indicate starting mapping index. Any character in the reference table will mapped by the same character. 10 K J F the same character. 11 L K G the encoded message will indicate starting mapping index. Any character in the reference table will mapped by the same character. 12 M L H e.g. the message 14 O N J HELLO WORLD 15 P O K Is encoded to: 17 R Q M Is encoded to: 18 S R N BGDKKN VNQKC 19 T S O If the first character B is taken as the character (Shift table forward by 1 element). 18 S Z Y U U T FC/GGJ RJMG. 19 FC/GGJ RJMG. 19 FC/GGJ RJMG.	
The message is encoded. The first close of the encoded message will indicate starting mapping index. Any character in the reference table will mapped by the same character. 10 K J F II E II THE	
8 I H D of the encoded message will indicate starting mapping index. Any character in the reference table will mapped by the same character. 10 K J F in the same character. 11 L K G in the same character. 12 M L H e.g. the message 14 O N J HELLO WORLD 15 P O K is encoded to: 16 Q P L is encoded to: 17 R Q M is encoded to: 18 S R N BGDKKN VNQKC 19 T S O if the encoded message will indicate starting mapping index. Any character in the reference table will mapped by the same character. 10 K J F E E In the reference table will mapped by the same character. 11 L K G In the reference table will mapped by the same character. 12 M L H IN THE SAME CHARACTER IN THE SAME C	
9 J I E in the reference table will mapped by the same character. 10 K J F the same character. 11 L K G the same character. 12 M L H e.g. the message 14 O N J HELLO WORLD 15 P O K HELLO WORLD 16 Q P L Is encoded to: 17 R Q M BGDKKN VNQKC 19 T S O HIS the first character B is taken as the character (Shift table forward by 1 element). 20 U T P Element). 21 V V S S S C S C S S C S S C S S C S S C S S C S S C S S S S S C S	
10	
10 K J F 11 L K G 12 M L H 13 N M I 14 O N J 15 P O K 16 Q P L 17 R Q M 18 S R N 19 T S O 20 U T P 21 V U Q 22 W V R 23 X W S 24 Y X T 25 Z Y U 26 O Z V 26 O Z V 27 1 O W the same character. HELLO WORLD Is encoded to: If the first character B is taken as the character B is taken as the character Character Character Character Character Character Character Character Character C	
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13 N M I 14 O N J 15 P O K 16 Q P L 17 R Q M 18 S R N 19 T S O 20 U T P 21 V U Q 21 V U Q 22 W V R 23 X W S 24 Y X T 25 Z Y U 26 O Z V 27 1 O W HELLO WORLD Is encoded to: Is encoded to: If the first character B is taken as the character (Shift table forward by 1	
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17 R Q M 18 S R N BGDKKN VNQKC 19 T S O If the first character B is taken as the character (Shift table forward by 1 element). 20 U T P If the first character (Shift table forward by 1 element). 21 V V R element). 22 W V T FC/GGJ RJMG. 23 X W S FC/GGJ RJMG. 24 Y X T FC/GGJ RJMG. 25 Z Y U If the first character F is taken as the character (Shift table forward by 5	
17 R Q M 18 S R N 19 T S O 20 U T P 21 V U Q 21 V U Q 22 W V R 23 X W S 24 Y X T 25 Z Y U 26 0 Z V 27 1 0 W BGDKKN VNQKC If the first character B is taken as the character (Shift table forward by 1 element). FC/GGJ RJMG. FC/GGJ RJMG.	
19 T S O 20 U T P If the first character B is taken as the character (Shift table forward by 1 21 V U Q character (Shift table forward by 1 22 W V R element). 23 X W S 24 Y X T FC/GGJ RJMG. 25 Z Y U 26 0 Z V If the first character F is taken as the character (Shift table forward by 5	
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24 Y X T FC/GGJ RJMG. 25 Z Y U 26 0 Z V If the first character F is taken as the character (Shift table forward by 5 27 1 0 W Character (Shift table forward by 5	
25ZYU260ZVIf the first character F is taken as the character (Shift table forward by 5	
260ZVIf the first character F is taken as the character (Shift table forward by 5	
27 1 0 W character (Shift table forward by 5	
·	offset
20 2 damenta	
28 2 1 X elements).	
29 3 2 Y	
30 4 3 Z To decode it, you need to take the f	
31 5 4 0 character for offset and match it ba	kwards
32 6 5 1 to get the original clear text.	
33 7 6 2	
34 8 7 3 <u>Constraint</u>	lla
35 9 8 4 The solution must implement the fo	liowing
36 (9 5 2 methods:	
37) (6 public String encode (String plainTex	.+ \.
38 *) public String decode (String encoded	
39 + * 8	
40 , + 9 The solution should also demonstra	
41 - , (concept of OOP .	dText);
42) concept of OOP .	dText);
43 / *	dText);