

> Additive_ciphor - class	142
·) outline	
-> public Additive ciphon ()?	
- public Actouring City	
1) Initialization of	G Common
Hach Map map with	Service Service
of English alphabets	
HashMap map with  of English alphabets with ASCII values	V. A. d.
ina 1= 97	
ch= (char)97='a'.	6,40
·) ensuntian Method.	
Dublic String errountion (string income	ent Ka
excryption Method. Public String ercryption (string input	(1111)
-> converts in Put Stoling to Charleman	THE PARTY AND ADDRESS OF THE PARTY.
ch[] = input. tochas Array();	The second secon
-> check if the aboundar & ? . No.	
> check if the character is in Ma	
- Could a character.	
- Giers Corresponding Key values.	in huma de a timper y la degrada e e e e
-> Grets cooresponding Key values.  temp= Map. get (chtij);	postico and tracks postally
Sum = ((temp+ Key) 1,26) + 65	J.
	•
in appends the sum into	
The appends the sum into	
output + = (char) sum;	
Camin Page	
Camlin Page	
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Then be turns Output string.	
2) claryption Method.  public String decryption (Stringoutper 1914 Kuy.)	
public string decryption (stringoutpe	IJ.
-> Converst Ciphontoxt String to  Char Array.	essaria es supriber de de
char Array.	annandarian 1 1
Chi J = Output, Jucha string	
-> check if the character is tosh top, -> ralidates the character	all and a simple and a simple are a simple
-) gets converponding Kot value.  temp= rop. get (ch [i]);	and the second second second
temp= map. get (Ch [1]);	
	and the second second
when temp & Key and temp > Key."	
39 Sum = ((temp-Key) %26);	
if (Stam LO)	
S Sum = 26 + 8 sum; 3	
Why addition of 26?	der en gewicke en de See de Green en de en ee
Ans: whey tem- Key it will give	
negative values.	one of the second secon
eq! - 15 mod 26 = 11	
But jara = -15 mod 26 = -15	
To get 11. you have to add	26
Now - Sum = 26+Sum;	PER MINISTER OF BUILDINGS
Sum = -15+26 = 11;	**************************************
FPx the exort.	operation in each burn it death an
l augr	and have an are the
The state of the s	

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Then again sum + 65; Now append can to output2+ = ((char) sum); Then retwen output?

- Multiplicative Cipher.	
Classe 10, 127 Kill III	
Sols Element - Class.  get all element in Z26.	
Multiplicative_Inverse - class  has a Hash Map  with Inverse for of Key:	
has a Hash Hap	700
with Inverse to of med.	
-> Gred-> rétwin ged (a,b)  and if a,26 ged is I  then Multiplicative inverse prist.	V.
and if a 126 gcd is I	
then Multiplicative inverse	
exist.	10 17
-> Then cal Multiplicative inverse	
Jon all element with god a	leal
Then Around into Arm that M.	
Then Append into Arra Hack Map.	
100 100 4 William 1000 000 2 000 2 000	4
> Constructor;>	01
Public Multiplication cipherit)	/
public Multiplication cipheril)  > Initialization of Hash Keep.	
> Encreption - Method	
Public Stoing enexuation (Chin	9
> Encryption - Hethood.  Public String encryption (String in put, is	it Key)
> Converts input array to charArray	
logic	
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- The validates each clave	The state of the s
-> gets worresponding Key value:  temp = map.get (chci);	
> Ciphor = ((+em * Key) %. 26) + 65;	
The appent the charito output sto	ing
output = output + (cchar) sum	
* Gret Key Inverse He-thool.	
- Grets try invoise using Invoising = new Multiplicative Invence	SI
inverse (26);  > inverse key = Tryermap. get	
and calls decryption Method.	37
cleasyption (output, invesce key)	);
	7 x -

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