<u>@1:-</u>	Given Data	Required Results
	* \$1 : 70 bills	* The motive is to take out 75.43 USD exactly from
	*\$2: 1 bill	the cash register using the available denominations.
	*\$5:5 bills	* Brainstorm for alternate accurate solutions.
Ÿ.	*\$10: 3bills	* Check if the process can work for different
\	* \$20: 1 bill	amounts such as 89.23 VSD and with different available
		bills/denominations
	5	
	I .	
	* 25¢ ; 2 coins	
,	* 50¢: 150 coins	
(Processing Required	
	*The target amount has to be	
ļ. 		USD in this case) bills, start by using the smaller availa-
	* Start by taking the largest bi	Ils available ble coins and moving upto the larger bills.
1	and ensure it is less than the tay	
*	If not, then move to the next la	
ì	* After taking the larger bills,	
	smaller bills and Heep using it	
	aining amount is small enough	
)	by the cent coins.	
)	* Atlast, use the available ce	nt coins to
<u> </u>	make up the remaining amount;	
2	the larger coins and then the	
a	* Ensure that the target amo	· · · · · · · · · · · · · · · · · · ·
à	reached by totaling up the b	pills and coins.
3		

02:-					
Given Data	Required Results				
* The given data are the three numbers	* The objective is to find the largest				
entered by the user randomly.	number.				
(For eg.: 5, 7, 10)	* Check for any other occurate solutions.				
	* Ensure that the process works for				
	different values given by the user				
Processing Required	Solution Alternatives				
* Take the first of the 3 numbers entered	* Selection 5 Conditional Statements,				
by the user and compare it with the second	such as IF THEN ELSE, can be used to				
number	compare the numbers and find the largest.				
* Then compare it with the third number	* Built-in functions, such as max () in				
* If the first number is larger than both,	Python, directly finds the largest				
then store it as the output. Otherwise	number.				
move on to the next numbers and repeat the					
above mentioned process till you find the					
largest number and store it as output					
Q3:-					
Given Data	Required Results				
* A single number, which has to be on	* The objective is to find the sum of				
* A single number, which has to be an integer, is entered by the user.	the digits of the given integer number.				
	* Check for alternative correct solutions				
	* Ensure that the process works for				
•	different values given by the user				
Processing Required	Solution Alternatives				
* Take the number entered by the user	* Define the single integer number as				
* Extract each digit of the number	couctant				
* Sum up all the digits of the number and					
store it as output					
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Option 1:- * The user enters a single integer number * To find out whether the given number is odd or even * * The user enters 2 integer numbers. Option 2:- * To check if the product of the 2 integers is odd or even. * Check for alternative correct solutions. * Ensure the process works for different value. * Processing Required * Define the single integer number as a constant (Option 1) * If it is completely divisible by 2 with no remainder, the number is even. * To see if the number is odd or even. * To see if the number is odd or even.		
Option 1:- * The user enters a single integer number odd ar even * To find out whether the given number is odd ar even * The user enters 2 integer numbers. * To check if the product of the 2 integers is odd ar even. * Check for alternative correct solutions. * Ensure the process works for different value. * Processing Required * Option 1:- * Define the single integer number as a constant (Option 1) * If it is completely divisible by 2 with no remainder, the number is even. * Otherwise, it is odd. * Option 2:- * Multiply the two given number to obtain the product * Multiply the two given number to obtain the product * To see if the number is odd or even, check the last digit of the number. If the last digit is either 2, 4, 6, 8 or 0; the number is even. * Check the divisibility of the product by 2 * Modulus Operator can also be used. * Modulus Operator can also be used. * Modulus Operator can also be used.	Given Data	Required Results
* The user enters a single integer number odd or even * The user enters 2 integer numbers. * To check if the product of the 2 integers is odd or even. * Check for alternative correct solutions. * Ensure the process works for different value. * Processing Required. * Option 1:- * Define the single integer number as a constant (Option 1) * If it is completely divisible by 2 with no remainder, the number is even. * Otherwise, it is odd. * Option 2:- * Multiply the two given number to obtain the product by 2 the product of the product of the number of the number is even. * Modulus Operator can also be used. * Modulus Operator can also be used. * Modulus Operator can also be used.		
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* Multiply the two given number to obtain last digit is either 2, 4, 6, 8 or 0; the the product with the product by 2 the check the divisibility of the product by 2 the Modulus Operator can also be used. * If it is completely divisible, the number (product) is even.		* To see if the number is odd or even,
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the product ** Check the divisibility of the product by 2 ** Modulus Operator can also be used. ** If it is completely divisible, the number of (product) is even.	* Multiply the two given number to obtain	last digit is either 2, 4, 6, 8 or 0; the
* If it is completely divisible, the number? (product) is even.		number is even. Else it's odd
is even.	* Check the divisibility of the product by 2	* Modulus Operator can also be used.
is even.	* If it is completely divisible, the number (product)	· v
* Else, the product is odd	is even.	,
	* Else, the product is odd	
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Q5:- Input	Processing	Module Ref.	Output
* One integer number	* Enter the integer numbers	READ	* For single number:
(Num) * For single number:			Print "even" if integer
*Two integer numbers If Num and Remainder=0		CALC	is even
(Num_1 and Num_2)	2	- 12	print "odd" if integer
	then number is even		is odd
	else number is odd		
	* For two numbers:		* For two number
Litada i de la Alia di co	Product = Num_1 * Num_2	CALC	print "even" if product
	If Product and Remainder = 0	V	is even
* -	2		print "odd" if product
	then product is even		is odd.
	else product is odd		
	* Print "Even" OR "Odd"	PRINT	
	END		
			447.45
Q6:- START	Q7 :-	STA	ART
	stle, agas trade 3		I.
PRINT "Enter the la	enath	PRINT "	Enter the temperature /
and width of a recta	0 . /	/ in °C	"
J wild widow of a resor-		7	
INPUT length, wio	14).	TNDIF	I temp_C /
Z INTO LENGUE, WILL		LITTO	i comp_C /
CALCULATE 'Area = le	11* -11	CALCULATE	L V-tom C 1 arm 10
CALCULAIL AYEA = Lei	igui wiach	CALCULATE	temp_K = temp_C + 273-15
Program 4	7	Dar	\
PRINT Avea		/ PKINI	temp_K



