BE CS III rd

Q1. Write a program to generate a four digit number and display minimum number of notes require to

- Q2. Write a program to generate positive single digit number and display total amount in terms of Rs.
 - b.) Number of 25 paisa coin
 - c.)Number of 20 paisa coin
 - d.)Number of 10 paisa coin
 - e.) Number of 5 paisa coin
- Q3. Write a program to convert the given temperature in Fahrenheit to Celsius using the following formula C=(F-32)/1.8
- Q4. The straight line method of computing the early depreciation to the value of an item is given by Depreciation=(Purchase price-salvage value)/years of service

Write a program to determine salvage value of an item when the purchase price, years of service and the annual depreciation are given.

Q5. Write a program to compute the real roots of a Quadratics equation ax2+bx+c=0.

Write a program to generate two numbers and swap them with and without using third variable.

- Q6. Write a program to generate four numbers and display maximum and minimum number (using if—else statement).
- Q7. Write a program to generate four numbers and display second maximum number (using if-statement).
- Q8. Write a program to generate four numbers and display third maximum number (using if—else statement).
- Q9. Write a program to generate four numbers and count how many numbers are even(using if—else statement).
- Q10. Write a program to generate a single digit number and display corresponding day of week(using if else statement).
- Q11. Write a program to generate a four digit number a display in words along with position value(using switch case) E.g. 3264->three thousand two hundred sixty four.

Q12. Write a program to read a multiple digit number a display if word (using switch case).

- Q13. Write a program to read multiple digit number and display it reverse order(using while,do while,for loop).
- Q14. Write a program to read N number and count how many number are even or odd(using while,do while,for loop).
- Q15. Write a program to read N number and display maximum number out of them (using do,do while, while, for loop).
- Q18. Write a program to read a multiple digit number and display sum of its digit. E.g 3456 (3+4+5+6 = 18)
- Write a program to read a multiple digit number and a single digit number and check whether single digit number appear in the multiple digit number. If appear then count how many times it comes.
- Q20. Write a program to read a digit number and display its factorial.
- Q21 Write a program to read two numbers and calculate first value res to the power second value.
- Q.22 Write a program to read a number and display all the factors of it.
- Q.23 Write a program to read a number and check whether it is prime or not.

- Q.24 Write a program to read N number and display maximum and minimum number.
- Q.25 Write a program to determine the sum of the following harmonic series for n value of N: $1, \frac{1}{2}, \frac{1}{3}, \dots, \frac{1}{n}$
- Q.26 Write a program to display series of prime numbers between 1 to N numbers.
- Q.27 Write a program to read a N numbers and whether all of them are descending order or not.
- Q.28 Write a program to generate the following pattern:
 - (I) 1 1 2 1 2 3 1 2 3 4 1 2 3 4 5
 - (ii) 1 2 2 2 3 3 3 3 3 4 4 4 4 4 4 4
 - - (iv) **

 - (v) 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0
 - (vi) 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4

*					
*					
* *					
* *					
1					
121					
234321					
3454321					
3 10 1321					
Write a pro	gram to display all	l palindrome numbers l Armstrong numbers numbers and display	between 1 to N num	ber. E.g:3^3+7^3+	
		alues and calculate the			
	(Using Array).	nues and calculate the	tie average and displa	ay those values wh	ich ale
		element of an array.			
Write a pi	rogram to left shift	an array elements by	one position		
e.g.	ogram to lest sins	dir diray elements of	one position		
	6	4	2	9	5
	10				
4.6. 61	:0:				
After Sh	MANUFACTURE DE L'ANDRE		10	5	3
	4	2 or left chift an array e	9 Jements by one positi	5 on	3
)35 Write a	program to circul	ar left shift an array e	Charles and the second		5
35 Write a	4	ar left shift an array e	lements by one positi	on	
)35 Write a e.g.	program to circul	ar left shift an array e	lements by one positi	on 9	5
235 Write a e.g.	program to circul 6 shifting	ar left shift an array e	lements by one positi	on	
)35 Write a e.g.	program to circul	ar left shift an array e	lements by one positi	on 9	5
235 Write a e.g. 3 After	program to circul 6 shifting 4	ar left shift an array e	lements by one positi	on 9	5
235 Write a e.g. 3 After	program to circul 6 shifting 4	ar left shift an array e	lements by one positi	on 9	3
235 Write a e.g. After 6 Q36 Write a e.g.	program to circul 6 shifting 4 e a program to left	ar left shift an array e	lements by one positi	on 9	5
235 Write a e.g. 3 After 6 Q36 Write	program to circul 6 shifting 4	ar left shift an array e	lements by one position.	on 9	3
235 Write a e.g. After 6 Q36 Write a e.g.	program to circul 6 shifting 4 e a program to left	ar left shift an array e	lements by one position.	on 9	3
235 Write a e.g. 3 After 6 Q36 Write e.g. 5 N=:	a program to circul 6 shifting 4 e a program to left	ar left shift an array e	lements by one position.	on 9 5 7	3
235 Write a e.g. 3 After 6 Q36 Write e.g. 5 N=:	a program to circul 6 shifting 4 e a program to left 4 are Shift:-	ar left shift an array e	lements by one position.	on 9	3
235 Write a e.g. 3 After 6 Q36 Write e.g. 5 N=: Aft	a program to circul 6 shifting 4 e a program to left 4 ser Shift:- 7	ar left shift an array elemen 6	lements by one position. 2 9 t by N position.	on 9 5 7 0	3
235 Write a e.g. 3 After 6 Q36 Write e.g. 5 N=: Aft	a program to circul 6 shifting 4 e a program to left 4 ser Shift:- 7	ar left shift an array elemen 6	lements by one position. 2 9 t by N position.	on 9 5 7 0	3
235 Write a e.g. 3 After 6 Q36 Write e.g. 5 N=: Aft	a program to circul 6 shifting 4 e a program to left 4 ser Shift:- 7	ar left shift an array elemen 6	lements by one position. 2 9 t by N position.	on 9 5 7 0 sition.	5 3 2 0
235 Write a e.g. 3 After 6 Q36 Write e.g. 5 N=: Aft 3	a program to circula 6 shifting 4 e a program to left 4 er Shift:- 7 rite a program to c	ar left shift an array elemen 2 shift an array elemen 6	lements by one position. 2 9 t by N position. 3 0 ray elements by N por	on 9 5 7 0	3
Q35 Write a e.g. 3 After 6 Q36 Write e.g. 5 Aft 3 Q37 W e.	a program to circula 6 shifting 4 e a program to left 4 er Shift:- 7 rite a program to c	ar left shift an array elemen 6	lements by one position. 2 9 t by N position.	on 9 5 7 0 sition.	5 3 2 0
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Q38 Write a program to sort an array in ascending order

(vii)

Q39. WAP to p	orint a histogr	am		
3	7			
***		-	2	5

**				

Q40. WAP to	read m*n mad			
O41 WAP to	read two n*m	and displa	y it.	
O42 WAP to	read two n*n	matrices and	display sum of two mat	rices.
otherwise dis	nlav a messag	maurices and	display multiplication of	of two matrices if it is possible
			lay its transpose matrix.	
O44 WAP to	read two n*n	matrices and	check whether two mat	ricar ara cama ar nat
O45 WAP to	read two n*n	n matrices and	display sum of two mat	nces are same or not.
			h name passed at comm	
			ommand prompt.	and the prompt
			s to upper case in a string	9
			nts and vowels in a sente	
OSO WAP to	count numb	er of words and	d characters in a sentence	e.
OSI WAP to	o check wheth	ner a string is p	palindrome or not.	
OFF WILD.		a anacac in a c	entence	
Q52. WAP 1	sing a String	Tokenizer class	s to parse a line of text a	nd display the tokens separated on
basis of a g	iven delimiter			11' I stores in a vector
OCA WADA	hat accents a	shopping list	of five items from the co	mmand line and stores in a vector.
OSS Modif	v the O51. Pr	ogram to accor	mplish the following:	
\ T	1-lata on iten	n in a list		
LITA	add an item ?	at a specified it	ocation in a list	
-) To	add an item a	it the end of a f	131	
d) To	print the con	tents in a vecto	this constructors using	following fields and methods:
O56. Desig	n a money cla	iss and its poss	illic control	
~	<u>Fields</u>		<u>le</u>	
	Rupee	Integer		
	Paisa	Integer		
	Methods	,		
	setMoney(,		following fields and methods:
	show()	ass and its pos	sible constructors using	Ollowing
Q57. Desi	gn a Person Ci	255 0000		
		Data Type		
	Fields	String		
	fname	String		
	name			
	Methods			
	setValue()			
	show()			

Q59) Design a matrix class and its all the possible constructors. Q60) Design a Rational class and its possible constructors, using following fields and methods:-

Denominator Methods: Integer

setValue() show()

Q61) Design a class to represent a bank account. Include the following members:

->Name of the depositor Methods:

initial Value() to initialize the value

->Account number deposit() ->Type account withdraw() ->Balance amount in the account display()

Q62) Assume that a bank maintains two kinds of account for its customers one called saving accounts and other current account. The saving account provides compound interest and withdrawal facilities but no cheque book facility. The current account provides cheque book facility but no interest. Current account holders should also maintains a minimum balance and if the balance falls below the level, a service change is imposed.

Create a class Account that stores customer name, account number, and type of account. From this derive the classes Curr-acc and Sav-acc to make them more specific to their requirements. Include the necessary methods in order to achieve the following task.

(a) Accept deposit from a customer and update the balance.

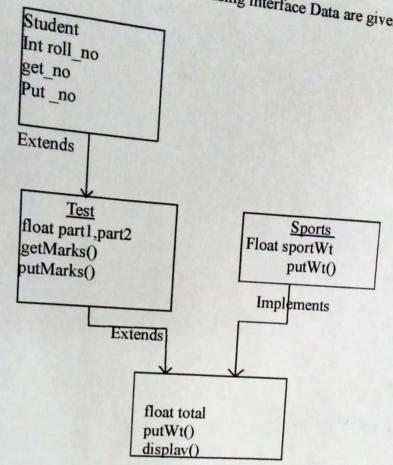
(b)Display the balance.

(c)Compound the deposit interest.

(d)Permit withdrawal and update the balance.

Check for minimum balance, impose penalty, if necessary and update the balance.

Q.63. To implement the concept of multiple inheritance using interface Data are given in the following



Result

Q64. Design a package to contain the class student and another package contain the interface sports.

Q.65 Develop an applet that receives two numeric data as input from the user and compute the Samo

following operation on the screen or Text Box

- A) Addition
- B) Subtraction
- C)Multiplication