No corrections (8)

Half Yearly Examination September, 2015

Computer Applications Class X

M.M.: 100

Time: 2Hrs.+ 15Mins.

Candidates are allowed 15 minutes for reading the question paper, they must NOT start writing during this time. Answer all the questions in Section A, and any Four from Section B.

SECTION A

Quest	tion 1:	
a)	Name the operator used for the allocation of memory for arrays. When is the	***
	allocation of memory done when the said operator is used? NEW, Run lune	[2]
b)	What are the accumulator variables? Explain with the help of an example.	[2]
c)	How is ++a different from a++? pre port	[2]
d)	Write an expression in java for the following arithmetic expression: a ² +2ab+b ² Aka+2 kakb+b b	[2]
e)	How many values can a function return? How will you indicate that a function does not return anything?	[2]
Oues	ition 2:	222 25 V 127
a)	22 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	[2] double of =
b)	What is the difference between string data and character data? How write the statement in java to find the square root of a number. Hall . Square root of a number.	[2]
c)	now up you write comments in a java program.	[2] double d = ; [2]
d)	What is double in journ? to the Table O O butter	[2]
c)	What is double in java? data type of a legter What is meant by precedence of operators?	[2]
Oue	stion 3:	end of 1
a)	Name the package that contains the class BufferedReader.	[2]
b)	Which package gets imported automatically? (and	[2]
c)	Evoluin the working of a for loop	[2]
d)	What is a compound statement?	[2]
e)	What is a compound statement?	[2]
f)	When do we come across the error "undefined symbol"? no declaration	. [2]
Oue	stion 4:	
Writ	e the dry run for the following code segments to determine the output:	1000121
a)	String s="positive people do not put others down"	[2]
14	int g=s.indexOf('d'); 16,	
	System.out.println(g);	7252
b)	int i=6, i=7, k=8;	[2]
	A STATE OF THE PROPERTY AND TO STATE OF THE PROPERTY OF THE PR	1.004
c)	System.out.println(15) && k>1); 1002000000000000000000000000000000000	[2]
3	while($x \le y$) $y = 50$ $y = 6$	
	(0) 5101	
	y=y/x;	
	System.out.println(y);	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
d)	int a=6,b=2,c=5;	[2]
36	System.out.println(a/b*c); $6/2 \times 5 = 15$	
	SECTION B	
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Write the programs in Java for any four of the following questions along with the variable description: $[4 \times 15 = 60]$

Question 5:

Declare an array of size 10 for integers and store the values given by the user in it. Find the maximum and the minimum values entered by the user

Question 6:

Accept a string value from the user and convert the first character of each word into capital letter.

Question 7:

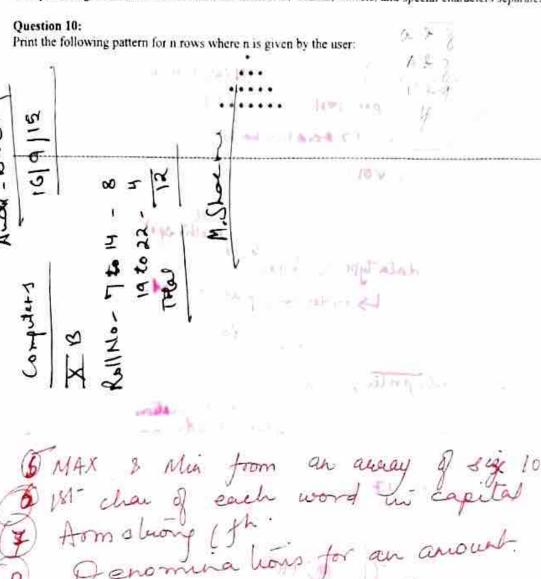
Write a function to determine whether a number is Armstrong or not. If the number is equal to the sum of the cubes of its digits it is Armstrong. For example 153=13+53+35.

Question 8:

Accept an amount in rupees from the user and determine how many notes of different denominations would be required to represent this amount beginning from the largest denomination.

Question 9:

Accept a string from the user and count the number of blanks, vowels, and special characters separately



Bs, vowels, special characters

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