

CDAC Hyderabad
PG-DAC March 2023
OOPs With Java
Assignment 3



1. Design a Java program to get a number from user and find the given number is positive or negative. Display the message.
2. Write a Java program to get the age of a person and find the age group of that person as

Age	Category
0-3	Toddlers
4-8	Kids
9-12	Child
13-18	Teens
19-40	Adults
41-60	Matured Adults
61-75	Seniors
>76	Super Seniors

3. Write a program called CozaLozaWoza which prints the numbers 1 to 110, 11 numbers per line. The program shall print "Coza" in place of the numbers which are multiples of 3, "Loza" for multiples of 5, "Woza" for multiples of 7, "CozaLoza" for multiples of 3 and 5, and so on.
The output shall look like:
1 2 Coza 4 Loza Coza Woza 8 Coza Loza 11
Coza 13 Woza CozaLoza 16 17 Coza 19 Loza CozaWoza 22
23 oza Loza 26 Coza Woza 29 CozaLoza 31 32 Coza
4. Write a Java code to get a number and find whether it is prime number or not (note : Prime number is the number divisible by 1 and itself only)
5. Design a Java program to print the following pattern for the positive value 'n'.

Sample Output

Enter any number...

5

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  *
 * *
* * *
* * * *
* * * * *
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6. Write a Java program that will read in month and day (as numerical value). The program will return the equivalent zodiac sign.

Zodiac Sign	Duration
Aquarius	Jan 20-Feb 18
Pisces	Feb 19-March 20
Aries	March 21-April 19
Taurus	April 20-May 20
Gemini	May 21-June 20
Cancer	June 21-July 22
Leo	July 23-August 22
Virgo	August 23-September 22
Libra	September 23-October 22
Scorpio	October 23-November 21
Sagittarius	November 22-December 21
Capricorn	December 22-January 19

Sample Output:

Enter month: 6

Enter day: 25

Zodiac sign for June 25 is Cancer