

Lab_11

Creation type data "Class"

1. Create Class with fields, indicated in individual assignment.
2. Implement in classroom methods:
 - ✓ constructor on default;
 - ✓ destructor to deallocate memory (with a destroy messageobject);
 - ✓ functions processing data, specified in individual task;
 - ✓ function formation lines information about object.
3. Create project for demonstrations works: form objects co constant values and with field values entered from the keyboard object. AT basic branch programs create three object class. Withdraw results work on screen.

Options assignments given in table one.

Table 1. Options assignments to laboratory work No. eleven

No. option	parent class and his fields	function-method one processing data	function-method 2 processing data
1	the date (three numbers):day, month, year	Define, is an whether yearleap year (multiple 4)	Increase date on the 5days
2	Employee: surname, salary, year receipts for work	Calculate experience employee's work given enterprise	How many days passed after of the year receipts for work
3	Book: title, amount pages, price	Calculate Averageprice one pages	Increase pricebooks in two times, if titlestarts from the words "Programming"
4	Time (three numbers): hours, minutes, seconds	Calculate number of fullminutes in the specified time	Decrease time on the10 minutes
5	Product: Name, price, year release	Determine how much years back wasreleased product	Increase price goods by 20%, if in name goods there is the word TV.
6	Date (three numbers): day, month, year	Increase year on one	Decrease date on the 2 days
7	book: title,author, the year of publishing	calculate, how many years book	Number of days after of the year publications books
8	Employee: surname, salary, date birth	Calculate Age worker	How much calendar days beforeperformance employee fifty years

9	Time (three numbers): hours, minutes, seconds	Calculate amount seconds in specified time	Increase time on the 5 second
10	Four whole numbers: a, b, c, d	Calculate Average arithmetic numbers	Define maximum of numbers
11	Employee: surname, position, salary	Increase salary on the 15% (each employee)	workers, at which surname starts from letter combinations "Ivan", assign position "engineer".
12	Book: title, amount pages, price	Increase number of pages on the ten	Decrease price in two times, if amount pages more 100 (after magnification)
13	Date (three numbers): day, month, year	Define, match whether month number and number days	Increase date by one month
14	Product: name, price in tg, manufacturer	Recalculate the price goods in Euro	Increase price goods in Euro, if product name contains the word Samsung.
15	Time (three numbers): hours, minutes, seconds	Define amount minutes before midnight (24:00:00)	Increase time 100 minutes
16	Proper fraction: numerator, denominator	express value fractions in percent	Find the sum of digits values denominator
17	Room: length, width, height (in meters)	Wall area (together with windows and doors)	Square walls without windows (size 2×15 m) and doors (the size 2 ×8 m).
18	Comprehensive number: real (a1) and imaginary (b1) parts numbers	Calculate Modulus comprehensive numbers	Calculate argument complex number in degrees
19	Coordinates Images rectangle: x1, y1, x2, y2	Calculate square rectangle in pixels	Calculate length diagonals rectangle in pixels
20	Parallelepiped: length parties	Calculate square surfaces	Calculate Volume parallelepiped

