

# CSE 300 Midterm II

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## I. QUESTION (10 POINTS)

- Create a database named Midterm2.
- Create a table named Person in Midterm2 with the following fields:
  - pid(integer) stores the id of the person
  - pname(string) stores the name of the person
  - city(string) stores the city where the person was born.
  - age(integer) stores the age of the person.
  - mother(integer) stores the id of the mother of the person.
  - father(integer) stores the id of the father of the person.

- Make (pid) primary key for table Person.
- Enter following data:

pid	pname	city	age	mother	father
3	Ayse	Istanbul	32	5	6
4	Ahmet	Erzurum	29	7	8

## II. QUESTION (18 POINTS)

Create an html file and a servlet that asks the user to enter a person Id and checks whether the given person exists or not in the Midterm2 database. If the person exists, the program will delete that person from the database. If the person does not exist, the program will display a message. The names of the files will be question2.html for html, question2.servlet for the servlet.

## III. QUESTION (18 POINTS)

Number1:

Number2:

Number3:

Create an html file and a servlet such that from the html file you will take three numbers and return the maximum of them if the user presses the maximum button, the minimum of them if the user presses the minimum button using the servlet. The names of the files will be question3.html for html, question3.servlet for the servlet.

## IV. QUESTION (18 POINTS)

Temperature:

Create an html file and a jsp file such that from the html file you will take the temperature and the metric system from the user and return the temperature in other metric system using the jsp file.

0 C → 32 F  
100 C → 212 F

The names of the files will be question4.html for html, question4.jsp for the jsp.

## V. QUESTION (18 POINTS)

Threshold:

Create an html file and a servlet such that from the html file you will take a threshold and return the primes less than that number. The names of the files will be question5.html for html, question5.servlet for the servlet.

## VI. QUESTION (18 POINTS)

### Pascal Triangle

N:

Create an html file and a jsp file such that from the html file you will take a number  $N$  from the user and display the pascal triangle using the jsp file.

The names of the files will be question6.html for html, question6.jsp for the jsp.