


EXAM	Type	<input checked="" type="checkbox"/> Midterm <input type="checkbox"/> Final <input type="checkbox"/> Resit <input type="checkbox"/> Make-up <input type="checkbox"/> One / Three Course			ADANA ALPARSLAN TURKES SCIENCE AND TECHNOLOGY UNIVERSITY FACULTY OF ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING EXAM PAPER		
	Date	09/04/2026	Place	L. Hall D203 D204			
	Time	13:15-14:45	Duration	90 min.			
STUDENT	Name				COURSE	Semester	2025-2026 Spring Term
	Student ID					Course Code & Name	EEE110 Computer Programming
	Signature					Lecturer	Assoc. Prof. Dr. Kasım ZOR

EXAM RULES	* By signing this document, the student undertakes to comply with the exam rules. Exam papers of students who do not follow the rules, fail to sign, or do not fill in the required fields will be considered invalid, and these students will be deemed to have received a score of 0 (zero) in the exam.
	* During the exam, all electronic communication devices (mobile phones, smartwatches, etc.) and other electronic devices not permitted by the exam supervisor (mp3 players, all types of computers, calculators, etc.) must be completely turned off. The use of such devices during the exam is strictly prohibited .
	* In multiple-choice exams, if students make incomplete or incorrect markings on the optical form, mark areas outside the designated coding section, or damage the optical form, their exams will be deemed invalid, and they will receive a score of 0 (zero).
	* Students who cheat in exams, attempt to cheat, assist others in cheating, have someone else take the exam on their behalf, take an exam on behalf of someone else, disrupt order during the exam, or violate ATÜ exam regulations will be subject to disciplinary action in accordance with the relevant articles of Law No. 2547 on Higher Education, based on the report prepared by the exam supervisor, and will receive a grade of 0 (zero) for the exam.

Course Learning Outcome No.	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	Total Score
Question No.	1	2	3	
Full Score for the Question	30	40	30	
Student's Score for the Question				

EXAM QUESTIONS

- Please answer the following questions by inserting either T for true or F for false at the beginning of the sentence.
 - Python was developed by Guido van Rossum who is a Dutch programmer and first released it in 1991.
 - Python was named after the python snake, since both are famous for swallowing extremely large integers whole.
 - RAM is a nonvolatile memory used for permanent storage while a program is running.
 - In Python, math expressions are always evaluated from left to right, no matter what the operators are.
 - A while loop is called a pretest loop because the condition is tested before the loop has had one iteration.
 - A local variable can be accessed from anywhere in the program.
 - Strings can be written directly to a file with the write method, but numbers must be converted to strings before they can be written.
 - The index of the first element in a list is 1, the index of the second element is 2, and so forth.
 - When accessing each character in a string, you would typically use a for loop.
 - A flowchart uses a diamond-shaped symbol to represent a decision.
- Write a Python programme that checks whether a given integer is a prime number. The programme should:
 - a. Ask the user to enter an integer n . (5 pts)
 - b. If n is less than or equal to 1, print a message stating that n is **not** a prime number. (5 pts)
 - c. If n is greater than 1, use a *for* loop to check whether n has any divisors other than 1 and itself. (20 pts)
 - d. If you find such a divisor, print that n is **not** a prime number. (5 pts)
 - e. If no such divisors is found, print that n is a prime number. (5 pts)
- Write a Python programme that calculates the result of $1954! - 1940!$, where Adana Demirspor was founded in 1940 and Adanaspor in 1954. The programme should:
 - a. Define a function for calculating the factorial, namely factorial. (20 pts)
 - b. Compute the factorial of 1954 and 1940 separately. (5 pts)
 - c. Subtract $1940!$ from $1954!$ and print the result to the screen. (5 pts)