

## QUIZ 1-Lecture 1: Introduction

Name: Barış Eray	e-mail address: nurcanb@mef.edu.tr			
Surname: Nurcan	Signature: 			
Q1	Q2	Q3	Q4	Total
25	25	15	25	90
25	10	15	15	55

**Attention:**

- All questions have equal points.
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- No quiz will be accepted after the deadline.

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Altıg Frden

erden218 met.edu.tr

→ -10

1. What are the essential attributes of a good software?

Maintainability: Software must be able to respond changing needs.

Dependability and Security: Software must be reliable.

Efficiency: Software should not waste system resources.

Acceptability: Software must be accepted by the users for what they are designed for. So the software should be understandable, usable and comparable to other systems. ✓

2. What is software engineering?

Software engineering is discipline that makes people's lives easier according to their needs by using the necessary technologies. ✓

3.What software engineering fundamentals apply to all types of software systems?

- \* Available resources should be used effectively.
- \* It's important to understand and manage software specifications and requirements.
- \* Reliability and performance are key system features.
- \* Systems should be developed using a managed and agreed development process. ✓ ? -10

4.What is ethic and list at least 4 code of ethics in software engineering?

1. PUBLIC: Software engineers should take care of public benefits.
2. CUSTOMER AND EMPLOYER: Software engineers should make the best wishes of the client and his/her customers by considering the public benefits.
3. OWN: Software engineers should be open to life-long innovations and continuously improve themselves.
4. JURISDICTION(LEGAL): Software engineers must comply with legal rules when creating or developing products.
5. THEIR FRIENDS: Software engineers should always support their colleagues, they should help their development. ✓

## QUIZ 1-Lecture 1: Introduction

Name: Ezgi	e-mail address: ustunel@mef.edu.tr			
Surname: Üstünel	Signature: 			
Q1	Q2	Q3	Q4	Total
25	25	25	25	100
22 <small>It must be dependable and useable</small>	25	25	25	97

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1.What are the essential attributes of a good software?

Essential attributes of a good software are maintainability,  
dependability, security, efficiency and acceptability.  
s s s

2.What is software engineering?

Software engineering is an engineering discipline that is concerned with all aspects of software production from the early stages of system specification through to maintaining the system after it has gone into use.

3.What software engineering fundamentals apply to all types of software systems?

- Systems should be developed using a managed and understood development process. Of course, different processes are used for different types of software.
- Dependability and performance are important for all types of system.
- Understanding and managing the software specification and requirements are important.
- Where appropriate, you should reuse software that has already been developed rather than write new software.

4.What is ethic and list at least 4 code of ethics in software engineering?

Ethic is moral principles that govern a person's behaviour or the conducting of an activity.

4 code of ethics in software engineering

1. Public - Software engineers shall act consistently with the public interest.
2. Profession - Software engineers shall advance the integrity and reputation of the profession consistent with the public interest.
3. Judgment - Software engineers shall maintain integrity and independence in their professional judgment.
4. Colleagues - Software engineers shall be fair to and supportive of their colleagues.

## QUIZ 1-Lecture 1: Introduction

Name: Melis	e-mail address:akarcaym@mef.edu.tr			
Surname: Akarçay	ID: 041401015 Signature: <i>Akarçay M</i>			
Q1	Q2	Q3	Q4	Total
25	25	25	25	100
25	25	25	18	93

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### 1.What are the essential attributes of a good software?

- (25)
- **Maintainability:** Software should adapt to the changing needs of customers.
  - **dependability and security:** Softwares should protect themselves from malicious users.
  - **efficiency:** Software should not make wasteful use of system resources.
  - **acceptability:** Software should be understandable and usable.

### 2.What is software engineering?

(25) Software engineering is an engineering discipline that is concerned with all aspects of software production from the early stages of system specification through to maintaining the system after it has gone into use.

### 3.What software engineering fundamentals apply to all types of software systems?

System should be developed using a managed and understood development process.

Dependability and performance are important for all types of system.

Understanding and managing the software specification and requirements are important.

If/where appropriate, you should reuse software that has already been developed rather than write new software.

#### 4. What is ethic and list at least 4 code of ethics in software engineering?

Ethics are the study of questions about what is morally right and wrong.

1) Public 2) Product 3) Judgment 4) Management

## QUIZ 1-Lecture 1: Introduction

Name: Aytaç	e-mail address: kivilcima@mef.edu.tr			
Surname: Kivilcım	041504008 Signature: 			
Q1	Q2	Q3	Q4	Total
25	20	20	20	85
25	10	20	25	80

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1. What are the essential attributes of a good software?

Acceptability, efficiency, maintainability, dependability and security.

2. What is software engineering?

Software engineering deals with designing, developing, testing and deployment, and management of software systems

3.What software engineering fundamentals apply to all types of software systems?

- Performance and dependability are the main things.
- Systems have to be developed with a planned and easy to understand process
- What are the requirements for developing software
- Resources should be used effectively.

4.What is ethic and list at least 4 code of ethics in software engineering?

A set of principles that every software engineer obey.

- Software engineers shall be fair to and supportive of their colleagues
- Software engineers shall maintain integrity and independence in their professional judgment.
- Software engineers shall act consistently with the public interest
- Software engineers shall advance the integrity and reputation of the profession consistent with the public interest.

## QUIZ 1-Lecture 1: Introduction

Name: Göktuğ	e-mail address: <u>kayacang@mef.edu.tr</u>			
	Student ID: 041502025			
Surname: Kayacan	Signature: 			
Q1	Q2	Q3	Q4	Total
25	25	25	25	100
25	25	25	25	100

### Attention:

akarcaym@mef.edu.tr

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### 1.What are the essential attributes of a good software?

A good software has four essential attributes which are as follows; "Maintainability" which implies how the software should be implemented in a way to prioritize easing the changes according to environment which the software operates within. Second essential attribute is "Dependability and security" of the software. This implies that the software should be built with failures and be secure from malicious users and tampering. Third attribute is "Efficiency" which dictates that the software should be efficient when using system resources. Last essential attribute is "Acceptability" this attribute means that the software should meet the user's needs, should be easy to use and work within environment which is used by the user.

### 2.What is software engineering?

Software engineering is the engineering discipline around implementation and production of software. This involves every step over production of software, starting from early specifications to post-maintenance after deployment.

### 3.What software engineering fundamentals apply to all types of software systems?

Although fundamentals for developing a software for different systems varies, there are certain fundamentals which are constant over all software systems. Such constants are; Software should be developed by following managed and understood processes of development, software should always be dependable, secure and should be performing well. Specifications of the software should be understood well and requirement should match the specifications. Lastly, during development, existing software should be used in order to avoid redeveloping on already existing software.

### 4.What is ethic and list at least 4 code of ethics in software engineering?

Term "Ethics" is a codebook which describes how all professionals should behave in order to be a respected professional and a respected individual. Following the ethical responsibilities ensures that the health, safety and welfare of the public are in a higher priority by the professional.

There are several ethical principles which any software engineer should follow, some of these principles are as follows:

- "Public": Software engineer should behave in respect to the interest of the public
- "Client and Employer": Software engineer should prioritize operating in a manner which respects the interests of their client as long as it is within public interests.
- "Product": Software engineer should make sure that any work done including the development and modification to a product should be of the highest professional quality possible.
- "Judgment": Software engineer should maintain integrity and independence according to their own Judgement.

## QUIZ 1-Lecture 1: Introduction

Name: Artun	e-mail address: <a href="mailto:mecika@mef.edu.tr">mecika@mef.edu.tr</a>			
Surname: MEÇİK	Signature: 			
Q1	Q2	Q3	Q4	Total
25	25	25	25	100
25	25	0	25	75

**Attention:**

[oruns@mef.edu.tr](mailto:oruns@mef.edu.tr)

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1. What are the essential attributes of a good software?

Good software should be functional and high performance for the user. It should be developable and maintainable. And above all, it should be safe.

What is software engineering?

Software engineering is an engineering field that deals with all aspects of the software development process.

3.

What software engineering fundamentals apply to all types of software systems?

Software specification, software development, Software validation and software evolution

4.What is ethic and list at least 4 code of ethics in software engineering?

Ethics is based on well-founded standards of right and wrong that prescribe what humans ought to do, usually in terms of rights, obligations, benefits to society, fairness, or specific virtues.

- Public: software engineers shall act consistently with the public interest.
- Product: software engineers shall ensure that their products and related modifications meet the highest professional standards possible.
- Judgment: software engineers shall maintain integrity and independence in their professional judgment
- Colleagues: software engineers shall be fair to and supportive of their colleagues.

## QUIZ 1-Lecture 1: Introduction

Name: Altuğ	e-mail address: erdemal@mef.edu.tr			
Surname: Erdem	Signature: 			
Q1	Q2	Q3	Q4	Total
0	25	25	15	65
5	25	25	20	

**Attention:**

guveneri@mef.edu.tr

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1.What are the essential attributes of a good software?

(5)

There are basically five essential attributes of good software

- Reliability
- Scalability
- Portability
- Reusability
- Usability.

2.What is software engineering?

(25)

If we have to general explanation, Software engineering is an engineering discipline that is concerned with all aspects of software production from the early stages of system specification through to maintaining the system after it has gone into use.

3.What software engineering fundamentals apply to all types of software systems?

(25)

① System should be developed using a managed and understood development process.

② Dependability and performance are important for all systems.  
But there are many other quality metrics needed

③ Understanding and managing the software specification and requirements are important.

④ Where appropriate, you should reuse software that has already been developed rather than write new software.

4.What is ethic and list at least 4 code of ethics in software engineering?

(20)

① Software engineers involves wider responsibilities than simply the application of tech. skills. Ethical behavior is more than simply upholding the law but involves following a set of principles that are morally correct.

- Confidentiality: Engineers should normally respect of confidentiality of their employers or clients irrespective of whether or not a formal agreement has been signed.

- Competence: Engineers should not misrepresent their level of competence.

- Intellectual property rights: Engineers should be aware of local laws governing use of intellectual property such as patents, copyright.

- Computer misuse: Software engineers should not use their tech. skills to misuse other people's computer.

## QUIZ 1-Lecture 1: Introduction

Name: Selengül	e-mail address: hasdemirs@mef.edu.tr			
Surname: Hasdemir	Signature:  04150531			
Q1	Q2	Q3	Q4	Total
25	00	25	25	75
25	25	25	25	100

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### 1.What are the essential attributes of a good software?

The essential attributes of a good software are maintainability, efficiency, acceptability, dependability and security. It should solve the client's problems, be able to satisfy the needs of the project and be efficient also it should be easily manageable and usable.

### 2.What is software engineering?

Software engineering is the profession of building and maintaining softwares needed for different sectors in the market. A software engineer's job is to build the application needed by the client using the efficient and optimized methods and deliver a software which is well tested and less error prone.

3.What software engineering fundamentals apply to all types of software systems?

It is important to understand what the software should do and features of the software, make and manage the software accordingly. If there is already software available, existing software should be used instead of making new software. The software must be reliable and also the performance of the software important. The development stages of the software should be understandable and easily manageable.

4.What is ethic and list at least 4 code of ethics in software engineering?

Ethic is a set of moral principles that affect people's decisions in their lives and how they lead their lives. People can think about the rules of ethics in an action and can guide their actions accordingly.

- A software engineer should contribute to his or her community of engineers and seek for their best too and help them.
- Software engineer should seek for the benefit of his or her customer and develop the software according their needs and to be able to identify legal, cultural, social needs of the client and develop the work according to meet these standards.
- Software engineer should try to deliver the best quality work.
- Software engineers should be respectful and fair to their colleagues and support them.

## QUIZ 1-Lecture 1: Introduction

Name: Gupse Eysan	e-mail address: toyg@mef.edu.tr			
Surname: Toy	Signature: 			
Q1	Q2	Q3	Q4	Total
15	25	20	15	75
20	5	10	20	55

**Attention:**

041501023

- All questions have equal points.
- These quizzes are just for individual work. No cheating is tolerated. nurcanb@mef.edu.tr
- Before printing this sheet, write your name, surname and student id with Arial 14 font. After writing your name surname and student id, print this sheet and write the answers in the blanks with your own HANDWRITING.
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1.What are the essential attributes of a good software?

A good software should be prepared in the simplest way, in accordance with the intended purpose. When making these preparations, the software should be able to work in various computers and systems. It is also important that the software can be used in other algorithms and important that it is prepared to be expanded.

2.What is software engineering?

Software engineering is primarily the creation of software using the appropriate software languages, either by determining the requirements in the environment or by preparing the appropriate algorithms for the requirements identified by the various sectors, and after creating and selecting the suitable algorithms.

3.What software engineering fundamentals apply to all types of software systems?

- The most appropriate and most practical software should be applied to the software system.
- The software must be tested by the software engineer and appropriate to the system.
- The software must be reliable.
- Developed software should be innovative and open to development.
- The desired software should not be misunderstood and the most appropriate solution should be found.
- If there is suitable software for the desired project, a new one is not written.

4.What is ethic and list at least 4 code of ethics in software engineering?

Ethic is a universal set of rules. Code of ethics for various sectors has some common features, such as fairness, impartiality, honesty and public interest. In addition, accepted ethical rules for software engineers:

- Produced software must comply with the rules of law.
- Software engineers should always be open to self-improvement.
- Software engineers should do the best for the community.
- Software engineers should control the software they have developed in the most appropriate way.

## QUIZ 1-Lecture 1: Introduction

Name: Burcu	e-mail address: kartalbu@mef.edu.tr			
Surname: Kartal	Signature: 			
Student id: 041501027				
Q1	Q2	Q3	Q4	Total
25	25	25	20	95
25	20	25	25	95

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1.What are the essential attributes of a good software?

→ Maintainability

→ Dependability and security

→ Efficiency

→ Acceptability

2.What is software engineering?

Software engineering is an engineering discipline that is concerned with all aspects of software production.

### 3.What software engineering fundamentals apply to all types of software systems?

- Systems should be developed using a managed and understood development process. Of course, different processes are used for different types of software.
- Dependability and performance are important for all types of system.
- Understanding and managing the software specification and requirements (what the software should do) are important.
- Where appropriate, you should reuse software that has already been developed rather than write new software.

### 4.What is ethic and list at least 4 code of ethics in software engineering?

→ Ethical behaviour is more than simply upholding the law but involves following a set of principles that are morally correct.

1. Public: Software engineers shall act consistently with the public interest.

2. Product: Software engineers shall ensure that their products and related modifications meet the highest professional standards possible.

3. Colleagues: Software engineers shall be fair to and supportive of their colleagues.

4. Self: Software engineers shall participate in lifelong learning regarding the practice of their profession and shall promote an ethical approach to the practice of the profession.

## QUIZ 1-Lecture 1: Introduction

Name: Mert	e-mail address: doganme@mef.edu.tr			
Surname: Doğan	Signature: 041701041 			
Q1	Q2	Q3	Q4	Total
20	25	25	25	95 daganme@mef.edu.tr
25	20	25	15	85

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### 1.What are the essential attributes of a good software?

A good software must be functional and it needs to have good performance to the client. And also a good software should be maintainable and it should work reliably by user.

### 2.What is software engineering?

- Software engineering is the process of analyzing user and client needs and designing, building, testing and controlling end-user applications that will satisfy the user needs and solving real-life solutions.

### 3. What software engineering fundamentals apply to all types of software systems?

- The software systems should be developed by using a management system and the whole development process should be understood.
- Different types of software for different process needs.
- A software must be reliable and high performance
- Developing a software usually needs a good knowledge and understanding of the specific domain (topic), also needs to manage the features and requirements of the software.
- The previously developed softwares should re-use instead of writing new software.

### 4. What is ethic and list at least 4 code of ethics in software engineering?

Software engineers shall commit themselves to make the analysis, specification, design, development, testing and maintenance of software a beneficial and respected profession. In accordance with their commitment to the health, safety and welfare of the public. Engineers should respect the confidentiality of their employers or clients. Engineers should not misrepresent their level of competence. Engineers should be aware of local laws governing the use of intellectual property such as patents, copyright, etc. Software engineers should not use their technical skills to misuse other people's computers.

#### Code of Ethics

- PUBLIC: Software engineers shall act consistently with the public interest.
- PROJECT: Software engineers shall ensure that their products and modifications meet the highest professional standards possible.
- JUDGEMENT: Software engineers shall maintain integrity and dependence in their professional judgement.
- COLLEAGUES: Software engineers shall be fair to and supportive of their colleagues.
- PROFESSION: Software engineers shall advance the integrity and reputation of the profession consistent with the public interest.

## QUIZ 1-Lecture 1: Introduction

Name: DORUK DOĞAN	e-mail address: uzund@mef.edu.tr			
Surname: UZUN	Signature: 			
Q1	Q2	Q3	Q4	Total
17	25	20	10	72
20	25	20	10	75

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1.What are the essential attributes of a good software?

Dependability; It should be secure, safe and reliable. In any case of system failure, it should not cause any case of physical or economic damage to the system so we can depend on it.  
 Maintainability; it should be easily maintainable in any case of platform change or changing clients needs  
 Usability; it should be user friendly and easy to interact with customers through an appropriate user interface and adequate documentation.

20

2.What is software engineering?

Software engineering is the process of analyzing user needs and designing, constructing, testing and maintaining applications that will satisfy those needs through the use of software programming languages. It is the application of engineering principles to software development.

### 3.What software engineering fundamentals apply to all types of software systems?

- Systems should be developed using a managed and understood development process.
- Dependability and performance are key system characteristics.
- Understanding and managing the software specification and requirements are important.
- Effective use should be made of available resources.

### 4.What is ethic and list at least 4 code of ethics in software engineering?

Ethic is ; moral principles that govern a person's behaviour or the conducting of an activity.

\*) Code of ethics in software engineering;

#### • Confidentiality

Engineers should normally respect the confidentiality of their employers or clients irrespective of whether or not a formal confidentiality agreement has been signed.

#### • Competence

Engineers should not misrepresent their level of competence. They should not knowingly work which is outwith their competence.

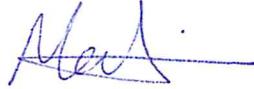
#### • Intellectual property rights

Engineers should be aware of local laws governing the use of intellectual property such as patents, copyright, etc. They should be careful to ensure that the intellectual property of employers and clients is protected.

#### • Computer Misuse

Software engineers should not use their skills to misuse other people's computers. Computer misuse ranges from relatively trivial (game playing on employer's machine, say) to extremely serious (dissemination of viruses).

## QUIZ 1-Lecture 1: Introduction

Name: MERT	e-mail address: gunaym@mef.edu.tr			
Surname: GUNAY	Signature: 			
Q1	Q2	Q3	Q4	Total
(25)	(25)	(22)	(15)	(87)
25	15	20	13	73

**Attention:**

041501007

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(25)

1. What are the essential attributes of a good software?

\* Dependability: It should be secured, safe and reliable so we can depend on it.

In any case of system failure. It should not cause any case of physical or economic damage to the system.

\* Maintainability: It should be easily maintainable in any case of platform change or changing clients' needs.

\* Efficiency: It should give us perfect possible efficiency without over using required memory and processor cycles.

\* Usability: It should be user friendly and easy to interact with customers through an appropriate user interface and adequate documentation.

(25)

2. What is software engineering?

Software engineering treats the approach to developing software as a formal process much like the one found in traditional engineering. SE begins by analyzing user needs. They design software, deploy, test it for quality and maintain it. They instruct computer programmers how to write the code they need. SE may or may not write any of the code themselves, but they need strong programming skills to communicate with programmers and are frequently fluent in several programming languages.

\*SE: Software Engineers

valuate  
by  
wt Dogan  
janme@mef.edu.tr

(22)

3. What software engineering fundamentals apply to all types of software systems?

- Systems should be developed using a managed and understood development process.
- Dependability and performance are key system characteristics.
- Understanding and managing the software specification and requirements are important.
- Effective use should be made of available resources.

(15)

4. What is ethic and list at least 4 code of ethics in software engineering?

\* A set of principles that set out, in a general way, standards of expected behavior for professional software engineers.

\* what is ethic?

- Ethic is a branch of philosophy that involves systematizing, defending and recommending concepts of right and wrong conduct.

## QUIZ 1-Lecture 1: Introduction

Name: Burak	e-mail address: 041501039			
Surname: Çelikman	Signature:			
Q1	Q2	Q3	Q4	Total
25	25	20	15	85
23	25	20	22	90

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1.What are the essential attributes of a good software?

Maintainability

Dependability

Efficiency

Acceptability

2.What is software engineering?

Software engineering is an engineering discipline that is concerned with all aspects of software production.

3.What software engineering fundamentals apply to all types of software systems?

System should be developed using a managed and understood development process.

Dependability and performance are key system characteristics.

Understanding and managing the software specification and requirements are important

Effective use should be made of available resources.

4. What is ethic and list at least 4 code of ethics in software engineering?

The code aspirations, at a high level of abstraction, the clauses that are included in details of how these aspirations change the way we act as software engineering professionals. Without aspirations, the details can become legalistic and tedious. Without details, the aspirations become empty.

- 1) Public
- 2) Product
- 3) Judgement
- 4) Management

## QUIZ 1-Lecture 1: Introduction

Name: Ersin	e-mail address: guvenersi@metu.edu.tr			
Surname: Guven	Signature: 			
Q1	Q2	Q3	Q4	Total
26	20	10	15	70
25	0	15	10	50

### Attention:

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- No quiz will be accepted after the deadline.

pekerge@metu.edu.tr.

1. What are the essential attributes of a good software?

Maintainability

Dependability and security

Efficiency

Acceptability

2. What is software engineering?

Software engineers are responsible with the development of a software system

3. What software engineering fundamentals apply to all types of software systems?

The development process should be understandable for others.  
Understanding and managing the software specification.

↳ 4.What is ethic and list at least 4 code of ethics in software engineering?

Ethic is non-written rules and generally accepted.

- Public
- Client and Employer
- Product
- Judgement

## QUIZ 1-Lecture 1: Introduction

Name: Yasin Yağız	e-mail address: gulteny@mef.edu.tr			
Surname: Gülten	Signature:  041501037			
Q1	Q2	Q3	Q4	Total
20	25	25	25	95
20	25	25	20	90 ustunel@mef.edu.tr

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### 1.What are the essential attributes of a good software?

It should deliver the required functionality and performance to the user and should be maintainable, dependable and usable.

### 2.What is software engineering?

It is an engineering discipline that is concerned with all aspects of software production from the early stages of system specification through to maintaining the system after it has gone into use.

Yasin Yıldız Güler 041501037

3.What software engineering fundamentals apply to all types of software systems?

Software specification, software development, software validation and software evolution.

- ↳ Systems should be developed using a managed and understood development process. Different processes are used different types of software.
- ↳ Dependability and performance are important for all types of system.
- ↳ Understanding and managing the software specification and requirements are important.
- ↳ Where appropriate, you should reuse software that has already been developed rather than write new software.

4.What is ethic and list at least 4 code of ethics in software engineering?

A rule of conduct, principles on which to base one's actions.

- ↳ Public: Software engineers shall act consistently with the public interest.
- ↳ Client and employer: Software engineers shall act in a manner that is in the best interests of their client and employer consistent with the public interest.
- ↳ Product: Software engineers shall ensure that their products and related modifications meet the highest professional standards possible.
- ↳ Judgment: Software engineers shall maintain integrity and independence in their professional judgment.
- ↳ Colleagues: Software engineers shall be fair to and supportive of their colleagues.

## QUIZ 1-Lecture 1: Introduction

Name: Orbey	e-mail address: paltaci@mef.edu.tr			
Surname: Paltaci	Signature: 			
Q1	Q2	Q3	Q4	Total
25	25	25	25	100
25	15	25	25	90

↳ gunaym@mef.edu.tr

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## 1. What are the essential attributes of a good software?

- Maintainability
- Acceptability
- Dependability and security
- Efficiency

(25)

## 2. What is software engineering?

Software engineering is an engineering discipline that is concerned with all aspects of software production.

(15)

3.What software engineering fundamentals apply to all types of software systems?

- Systems should be developed using a managed and understood development process.
- Dependability and performance
- Understanding and managing the software specification and requirements.
- Reusability, instead of writing a new software.

(25)

4.What is ethic and list at least 4 code of ethics in software engineering?

A set of moral principles, especially ones relating to or affirming a specified group, field, or form of conduct.

1. PUBLIC - Software engineers shall act consistently with the public interest.
2. CLIENT AND EMPLOYER - Software engineers shall act in a manner that is in the best interests of their client and employer consistent with the public interest.
3. PRODUCT - Software engineers shall ensure that their products and related modifications meet the highest professional standards possible.
4. JUDGEMENT - Software engineers shall maintain integrity and independence in their professional judgement.

(25)

## QUIZ 1-Lecture 1: Introduction

<b>Name:</b> Gaye	<b>e-mail address:</b> pekerg@mef.edu.tr			
<b>Surname:</b> Peker	<b>Signature:</b> 		041601022	
Q1	Q2	Q3	Q4	Total
25	25	25	25	
25	25	25	25	100

kayucang@mef.edu.tr

**Attention:**

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- The deadline is the beginning of the lecture, and you can give your quiz ONLY at the beginning of the lecture.
- No quiz will be accepted after the deadline.

1. What are the essential attributes of a good software?

Good software should deliver the required functionality and performance to the user and should be maintainable, dependable and usable.

Essential attributes of good software is;

Maintainability - Dependability and Security - Efficiency  
Acceptability

2. What is software engineering?

Software engineering is concerned with theories, methods and tools for professional software development. Software engineering is concerned with cost-effective software development. Software engineering is an engineering discipline that is concerned with all aspects of software production from the early stages of system specification through to maintaining the system after it has gone into use.

### 3. What software engineering fundamentals apply to all types of software systems?

Some fundamental principles apply to all types of software system, irrespective of the development techniques used;

- 1) Systems should be developed using a managed and understood development process. Different processes are used for different types of software.
- 2) Dependability and performance are important for all types of system.
- 3) Understanding and managing the software specification and requirements are important.
- 4) Where appropriate, you should reuse software that has already been developed rather than write new software.

### 4. What is ethic and list at least 4 code of ethics in software engineering?

Ethics is a set of moral principles that govern the behaviour of a group or individual. Therefore, computer ethics is a set of moral principles that regulate the use of computers. Computer ethics include intellectual property rights, privacy concerns, and how computers affect society.

- 1) PUBLIC: software engineers shall act consistently with the public interest.
- 2) Client and Employer: S.E. shall act in a manner that is in the best interest of their client and employer consistent with the public interest.
- 3) Product: S.E. shall ensure that their products and related modifications meet the highest professional standards possible.
- 4) Judgment: S.E. shall maintain integrity and independence in their professional judgement.
- 5) Management: S.E., managers and leaders shall subscribe to and promote an ethical approach to the management of software development and maintenance.
- 6) Profession: S.E. shall advance the integrity and reputation of profession consistent with the public interest.
- 7) Colleagues: S.E. shall be fair to and supportive of their colleagues.
- 8) Self: S.E. shall participate in lifelong learning regarding the practice of their profession and shall promote an ethical approach to the practice of the profession.

Fatih Getinkaya

3.What software engineering fundamentals apply to all types of software systems?

Software specification, Software development  
Software validation, Software evolution.

4.What is ethic and list at least 4 code of ethics in software engineering?

Ethic is a system of moral principles. It affects how people make decisions and lead their lives. Ethic is concerned with what is good for individuals and society and is also described as moral philosophy.

Code of ethics in software engineering

1 - Profession

2 - Client and employer

3 - Product

4 - Management

Checked by: patarcio@met.edu.tr → -10

## QUIZ 1-Lecture 1: Introduction

Name: Fatih	e-mail address: cetinkayaf@met.edu.tr			
Surname: Cetinkaya	Signature: 			
Q1	Q2	Q3	Q4	Total
25	25	15	25	90
25	15	00	20	60

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- No quiz will be accepted after the deadline.

1.What are the essential attributes of a good software?

Dependability, Security, Efficiency, Acceptability

Maintainability

2.

What is software engineering?

Software engineering is a branch of computer science which includes the development and building of computer systems software and applications software. It is a application of a systematic, disciplined, quantifiable approach to the development and maintenance of software.