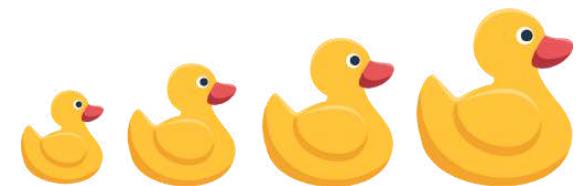
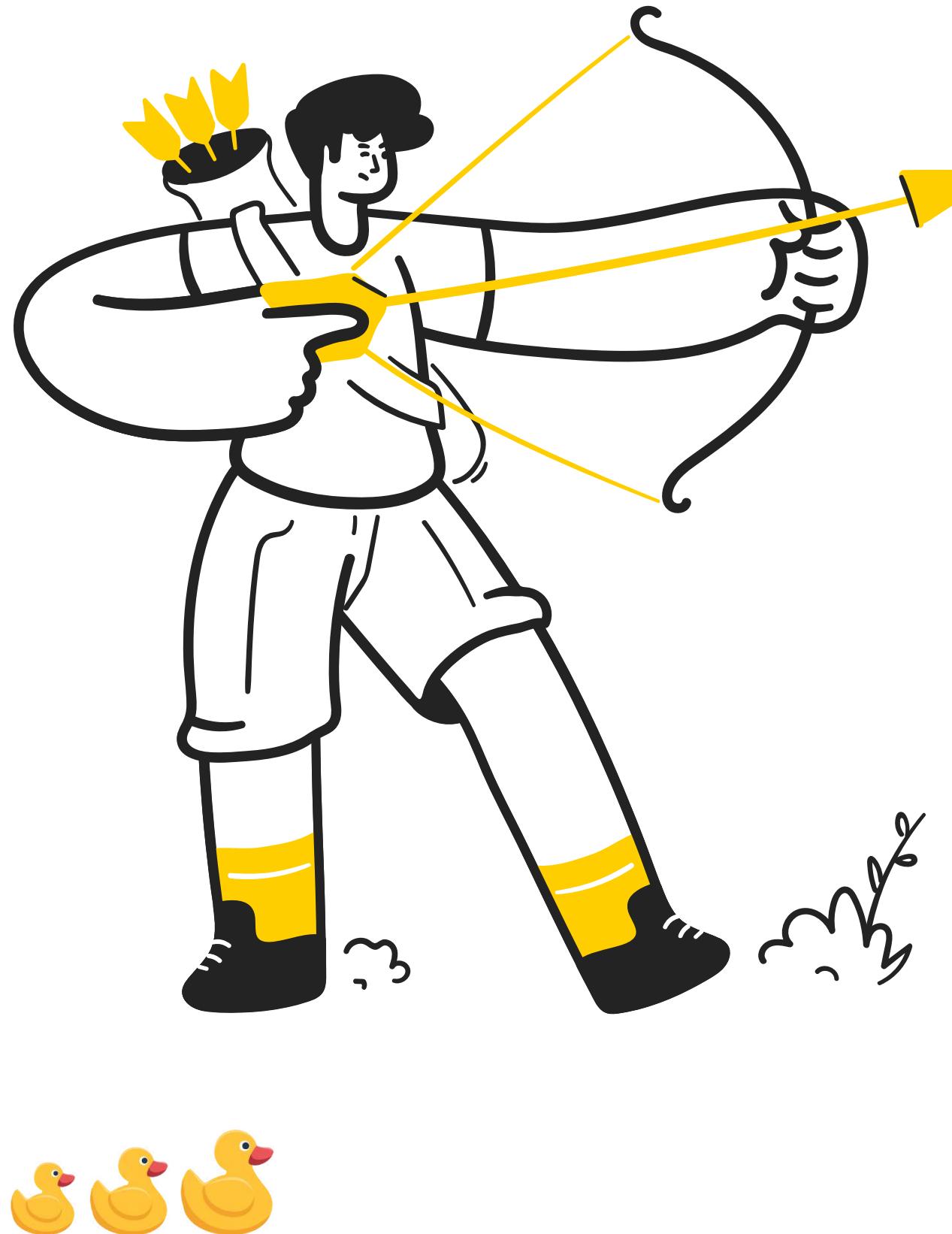


# **ETHICAL PRINCIPLES & CODE OF IT BUSINESS**

**Presented by: Team Itiks**



# CODE OF ETHICS RELATED TO ICT TECHNOLOGY



- 01** Association for Computing Machinery (ACM) Code of Ethics and Professional Conduct
- 02** National Society of Professional Engineers(NSPE) Code of Ethics for Engineers
- 03** ACM/IEE-CS Code of Ethics and Professional Conduct
- 04** Information Systems Audit and Control Association(ISACA) Code of Professional Ethics
- 05** The Korean Institute of Electrical Engineers (KIEE)'s Code of Professional Ethics

1

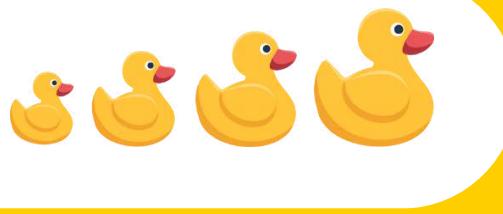
# ASSOCIATION FOR COMPUTING MACHINERY

ACM (Association for Computing Machinery)  
Code of Ethics and Professional Conduct

Consists of

- General Principles
- Professional Responsibilities
- Professional Leadership Principles
- Compliance with the Code





# GENERAL ETHICAL PRINCIPLES

01

## Contribute

Contribute to society and human beings, acknowledging that people are stakeholders in computing.

02

## Avoid harm

03

## Be honest and trustworthy

04

## Be fair and take action not to discriminate.

05

## Respect

Respect the work required to produce new ideas, inventions, creative works, and computing artifacts.

06

## Respect privacy.

07

## Honor Confidentiality



# PROFESSIONAL RESPONSIBILITIES

**01** Strive to achieve high quality in both the processes & products of professional work.

**02** Maintain high standards of Professional competence, conduit, and ethical practice.

**03** Know and respect existing rules pertaining to professional work

**04** Accept and provide appropriate professional review

**05** Give comprehensive & thorough evaluations of computer systems and their impacts.

**06** Perform work only in areas of competence.

**07** Foster public awareness & understanding of computing, related technologies & their consequences.

**08** Access computing and communication resources only when authorized by the public good.

**09** Design and implement systems that are robustly and usably secure

# PRINCIPLES OF PROFESSIONAL LEADERSHIP

**01**

Ensure that the public good is the central concern during all professional computing work.

**02**

Articulate, encourage acceptance of, and evaluate fulfillment of social responsibilities by members of the organization or group.

**03**

Manage personnel and resources to enhance the quality of working life.

**04**

Articulate, apply, and support policies and processes that reflect the principles of the Code.

**05**

Create opportunities for members of the organization or group to grow as professionals.

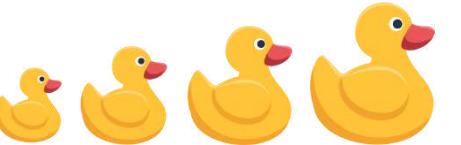
**06**

Use care when modifying or retiring systems.

**07**

Recognize and take special care of systems that become integrated into the infrastructure of society





# COMPLIANCE WITH THE CODE

01

Uphold, promote, and respect  
the principle of the Code

02

Treat violations of the Code  
as inconsistent with  
membership in the ACM





# National Society of Professional Engineers

NSPE(National Society of Professional Engineers)Code of Ethics for Engineers

The NSPE Code of Ethics for Engineers outlines ethical standards for engineers, emphasizing honesty, impartiality, fairness, and equity in their services, and focuses on public health, safety, and welfare protection.



# FULFILLMENT OF THEIR PROFESSIONAL DUTIES

1.

2.

3.



## Prioritize Safety

Always ensure the safety and well-being of people for the public's welfare.



## Work Within Skills

Only perform services in the areas of their competence.



## Be Honest

Issue public statements only in an objective and truthful manner

4.

5.



## Trustworthy

Act responsibly and in good faith for your employer or clients.



## Avoid Dishonesty

Never engage in cheating, lying, or deceptive practices.



# Code of Ethics for Software Engineers

ACM/IEEE-CS Code of Ethics and Professional Conduct

The Code of Ethics for Software Engineers emphasizes the commitment to making software engineering a beneficial and respected profession, and to the health, safety and well-being of the public, for those in the software engineering profession.



# EIGHT ETHICAL PRINCIPLES OF SOFTWARE ENGINEERING CODE OF ETHICS AND PROFESSIONAL PRACTICE

Public

1

Client and Employer

2

Engineers shall act consistently with the public interest

Shall act in the best interest of their clients and employers while ensuring their actions are consistent with the broader public interest.

Product

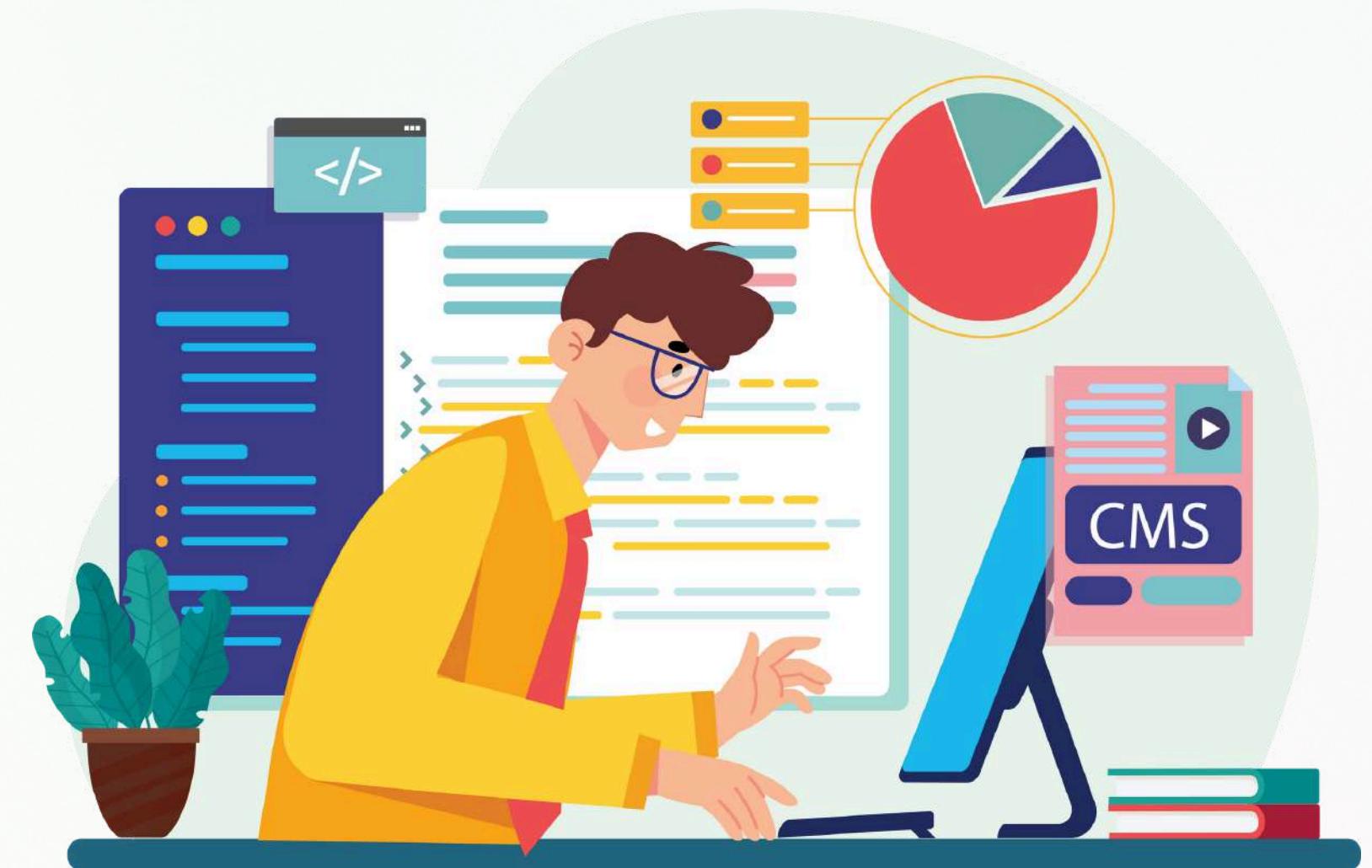
3

Shall ensure that their products and related modifications meet the highest professional standards possible

Judgement

4

Shall maintain integrity and independence in their professional judgement.



# EIGHT ETHICAL PRINCIPLES OF SOFTWARE ENGINEERING CODE OF ETHICS AND PROFESSIONAL PRACTICE

## Management

5

Those in leadership positions should promote ethical management and development of software projects, ensuring teams follow best practices.

## Profession

6

Shall advance the integrity and reputation of the profession consistent with the public interest

## Colleagues

7

Shall be fair to and supportive of their colleagues

## Self

8

Shall commit to continuous learning and ethical behavior, improving their skills and promoting ethical standards in the industry.



# Information System Audit and Control Association

IISACA (Information System Audit and Control Association)

ISACA provides guidance on professional and personal conduct in relation to the information systems audit job, through its Code of Professional Ethics.



# INFORMATION SYSTEM AUDIT AND CONTROL ASSOCIATION



01

**Support  
compliance with  
standards**



02

**Perform duties  
with diligence**



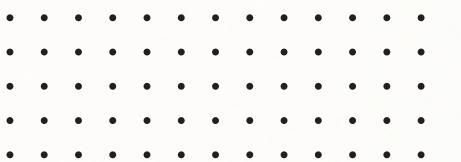
03

**Serve stakeholders  
lawfully**



04

**Maintain  
confidentiality**



# INFORMATION SYSTEM AUDIT AND CONTROL ASSOCIATION



05

Maintain competency



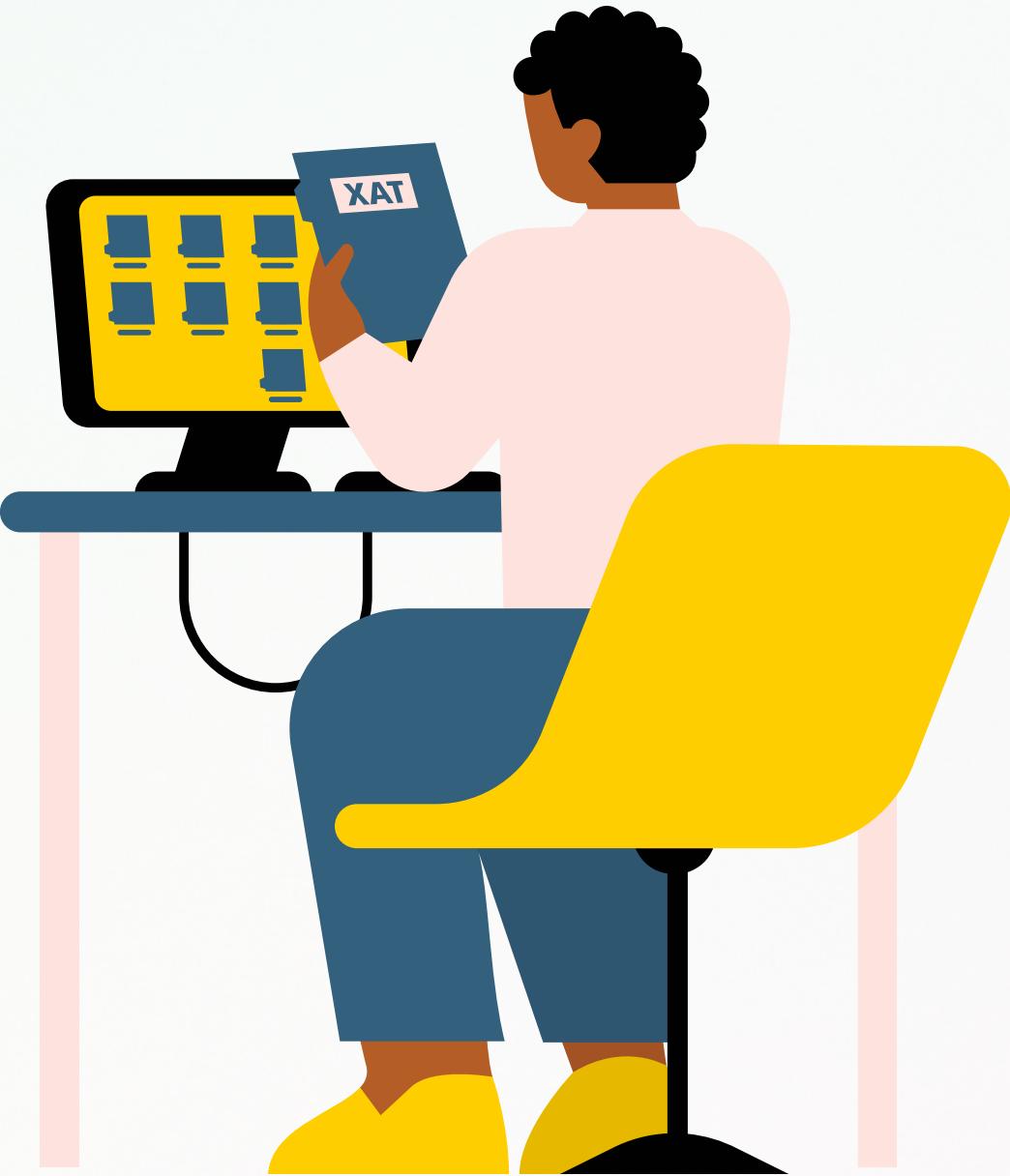
06

Communicate results



07

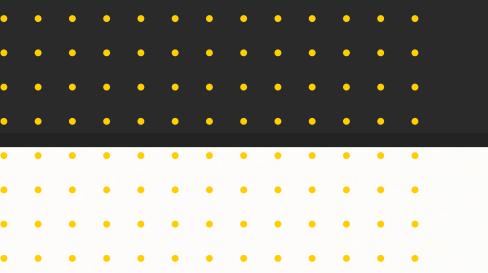
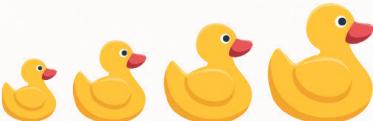
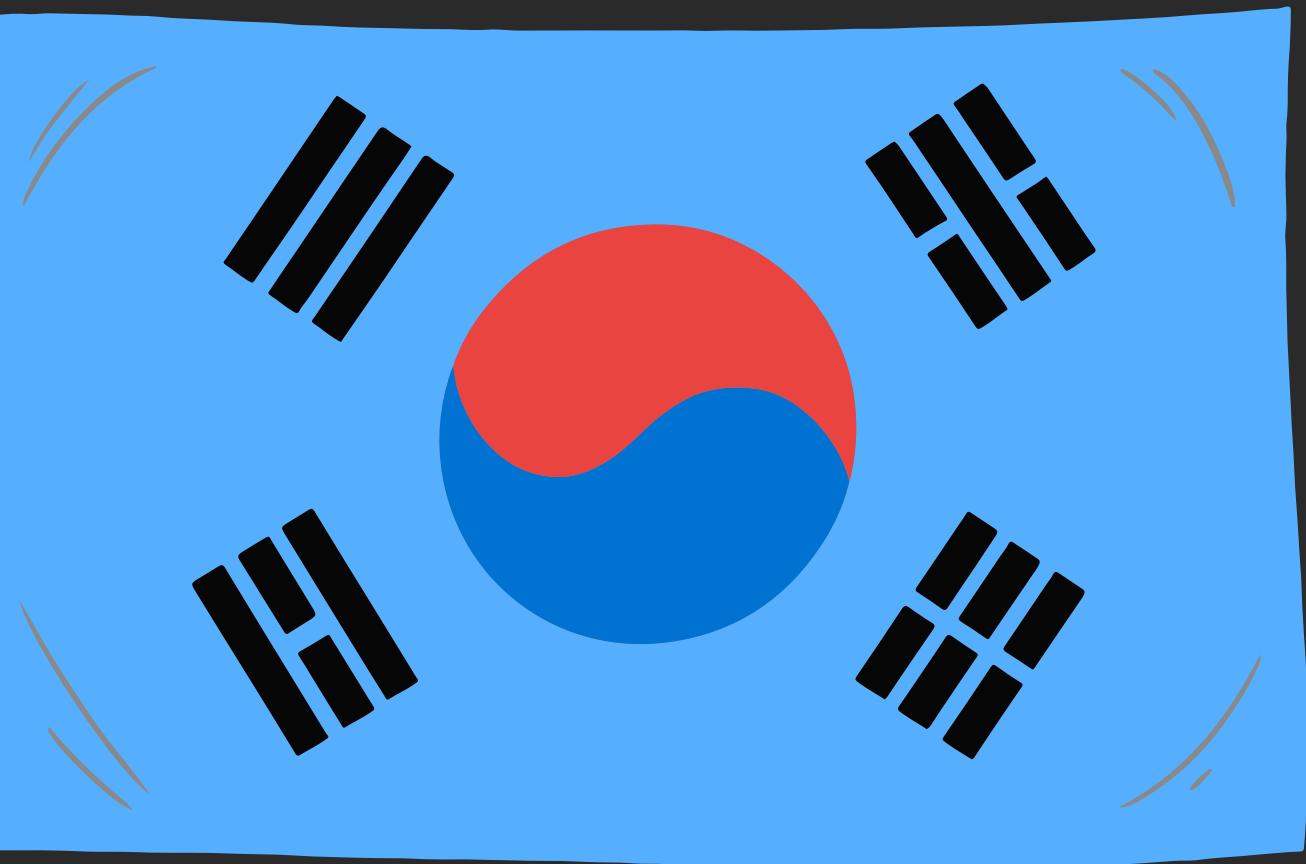
Support education



# KIEE's Code of Professional Ethics

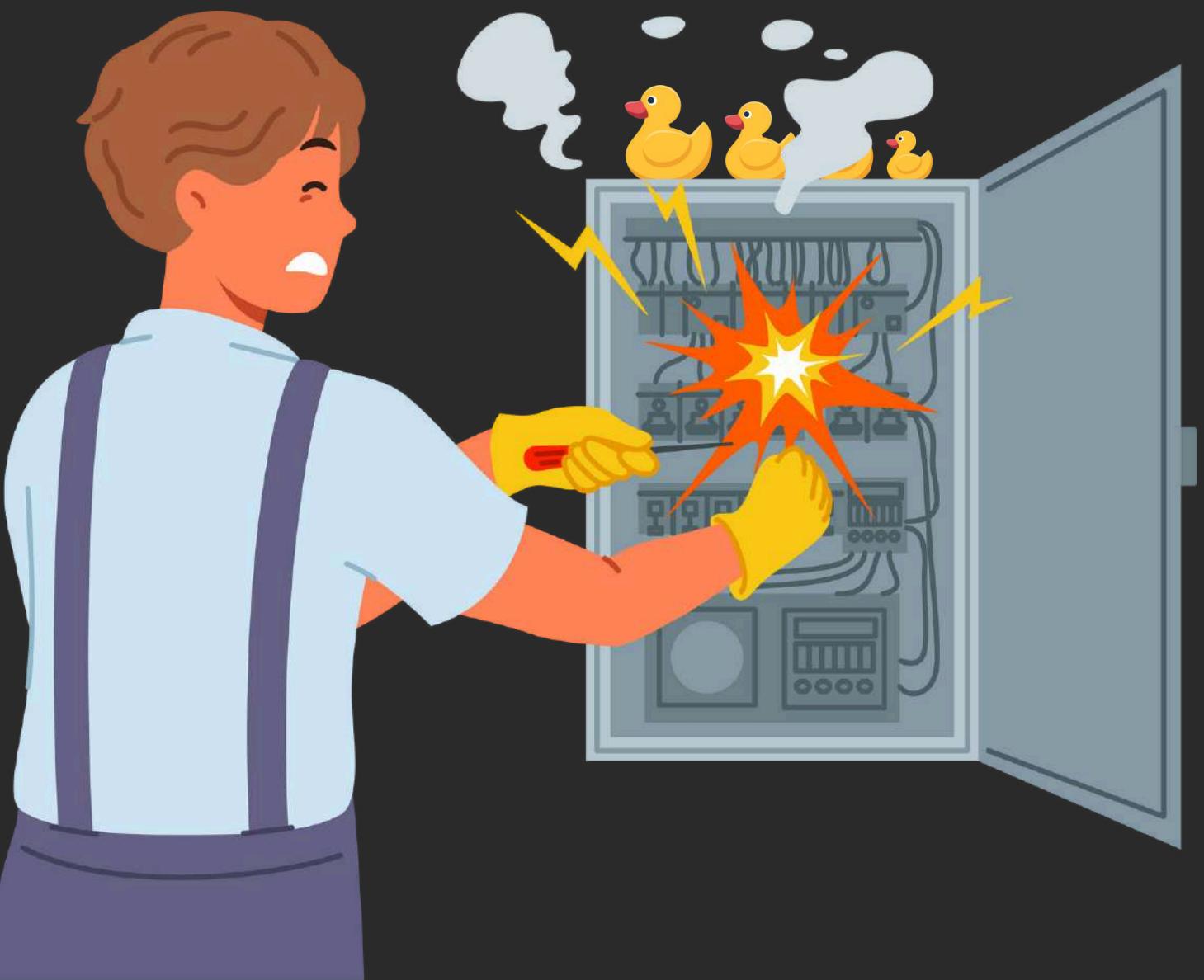
The Korean Institute of Electrical Engineers (KIEE)'s Code of Professional Ethics

The Korean Institute of Electrical Engineers is an institution that promotes and develops academics and technologies related to electrical engineering and present a code of ethics for professionals in the electrical engineering technology field.



# KIEE's Code of Professional Ethics

Members of the KIEE believe that electrical engineering technology improves the quality of life and greatly affects the living environment and values of Korean cultural traditions that emphasize harmonious life with our neighbors and nature.





# PLEDGE OF KIEE MEMBERS

Members of the KIEE act honestly and fairly in order to uphold authority, honor, and dignity, and treat the public with good faith.

.....

## Social Responsibility

01

We contribute to social development and world peace with our professional knowledge, make decisions in accordance with public safety and well-being, and take social responsibility for these decisions

02

## Principles of Faith

As long as it does not harm the public interest, we will keep the confidentiality of information obtained in business or occupation and protect the trust of our organization or employer.

03

## Responding to Conflicts of Interest

When a conflict of interest arises in conducting business, all interests that may affect business judgment are disclosed and dealt with objectively.

04

## Material History

04

We honestly and faithfully draw conclusions or make arguments based on engineering data, and do not use false data or plagiarize.

05

## Compliance

We strictly abide by laws, regulations, contracts, and standards related to business, and refuse any form of bribery





# PLEDGE OF KIEE MEMBERS

Members of the KIEE act honestly and fairly in order to uphold authority, honor, and dignity, and treat the public with good faith.

.....

## Respect intellectual property

06

We respect the intellectual property rights of others, such as copyrights and patents, and disclose the achievements of others fairly

07

## Principles of Fairness

We accept a fair assessment of one's technical performance and corrects any errors as soon as they are discovered. We fairly evaluate the technical performance of others.

08

## The principle of fairness

We reject prejudice and discrimination against gender, race, age, geography and educational background, physical or mental disability in the performance of the job.

09

## Contributing to the development of specialized fields

We develop our own professional knowledge, skills and expertise to contribute to the development of our specialty.

10

## Efforts to spread eco-friendly and sustainable technologies

We fully recognize the need for eco-friendly and sustainable technologies, and make the necessary efforts to preserve and restore the earth's productive capacity.





**THANK**



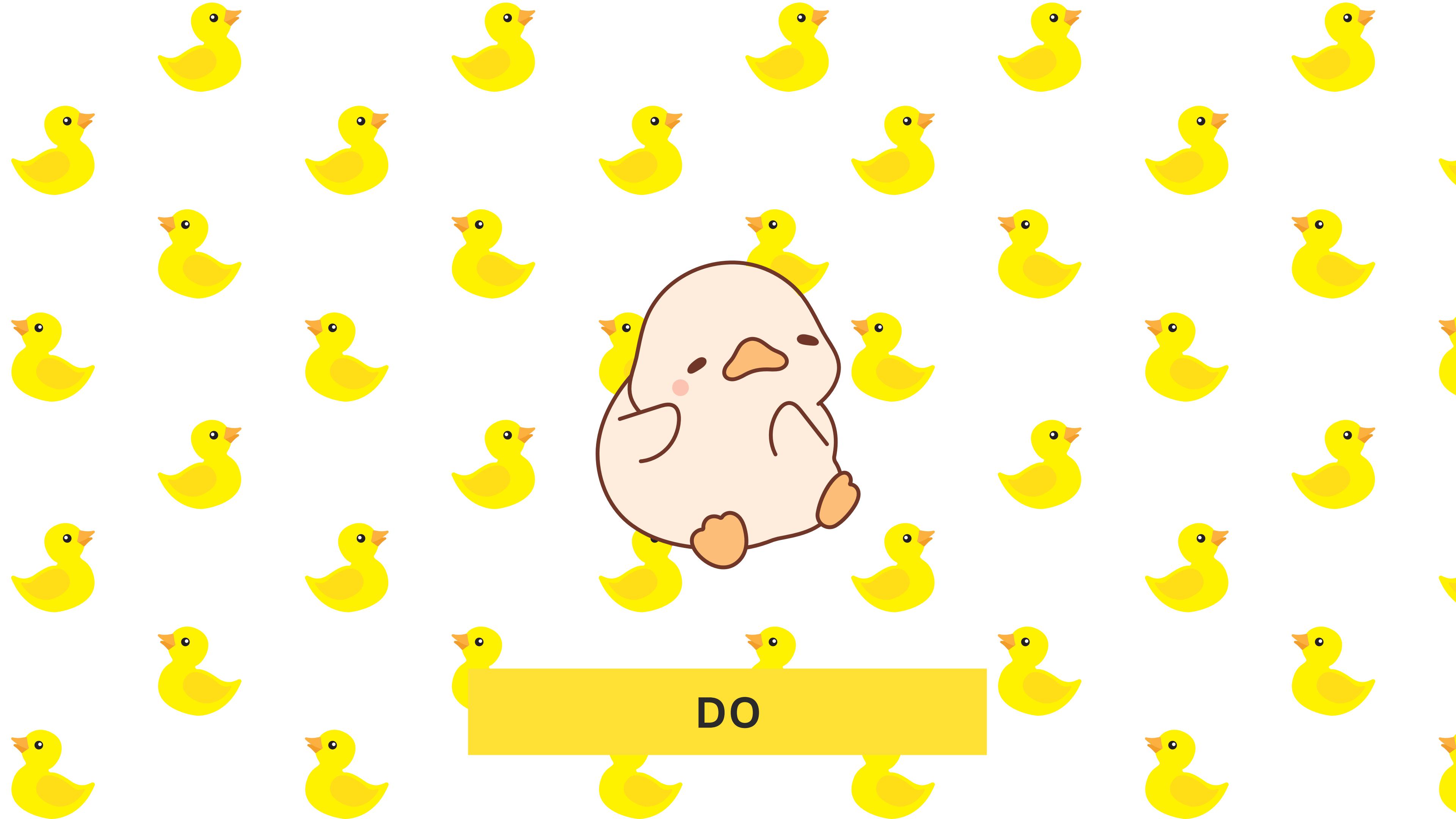
YOU



**FOR**



**LISTENING !!**



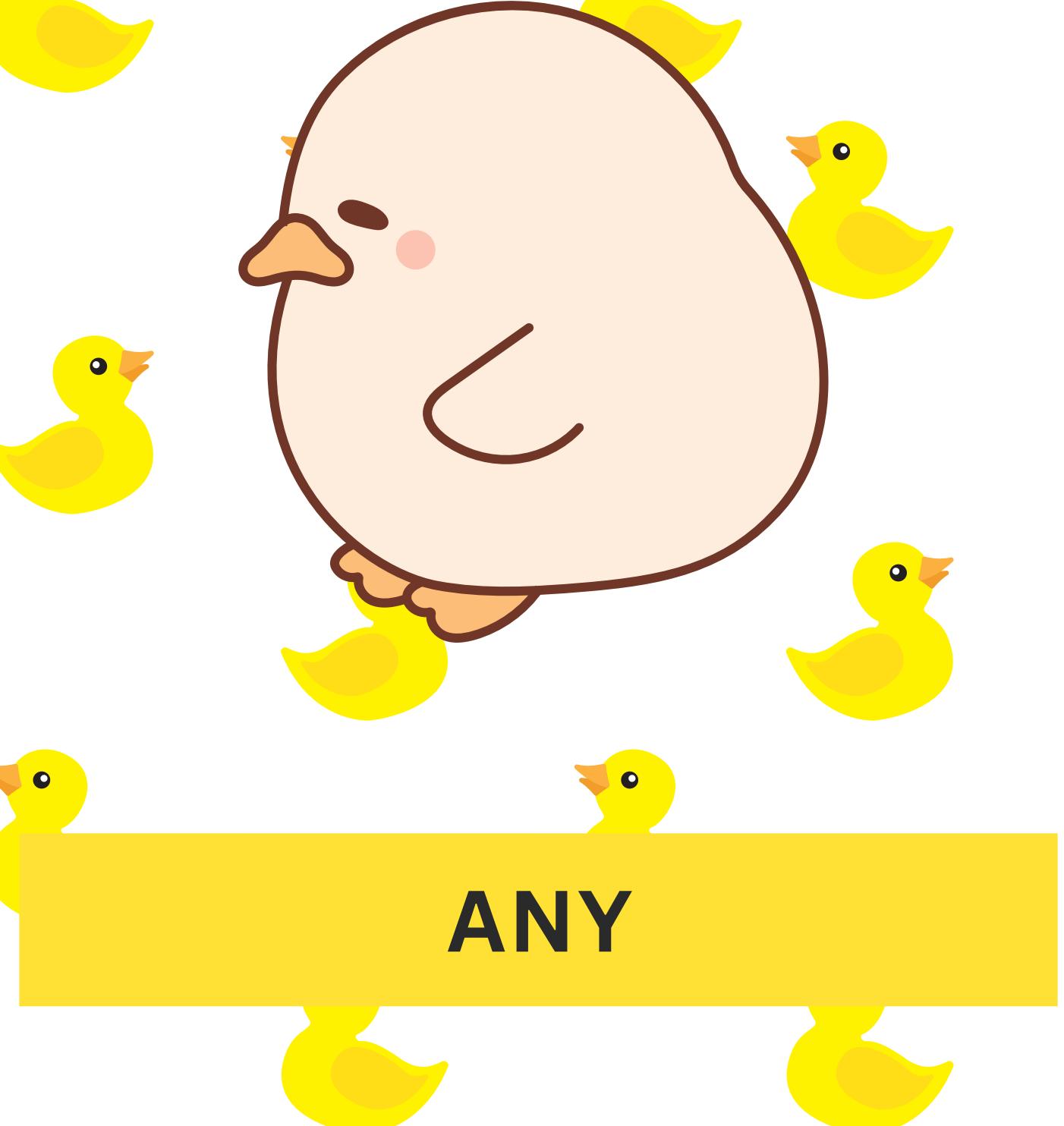
DO



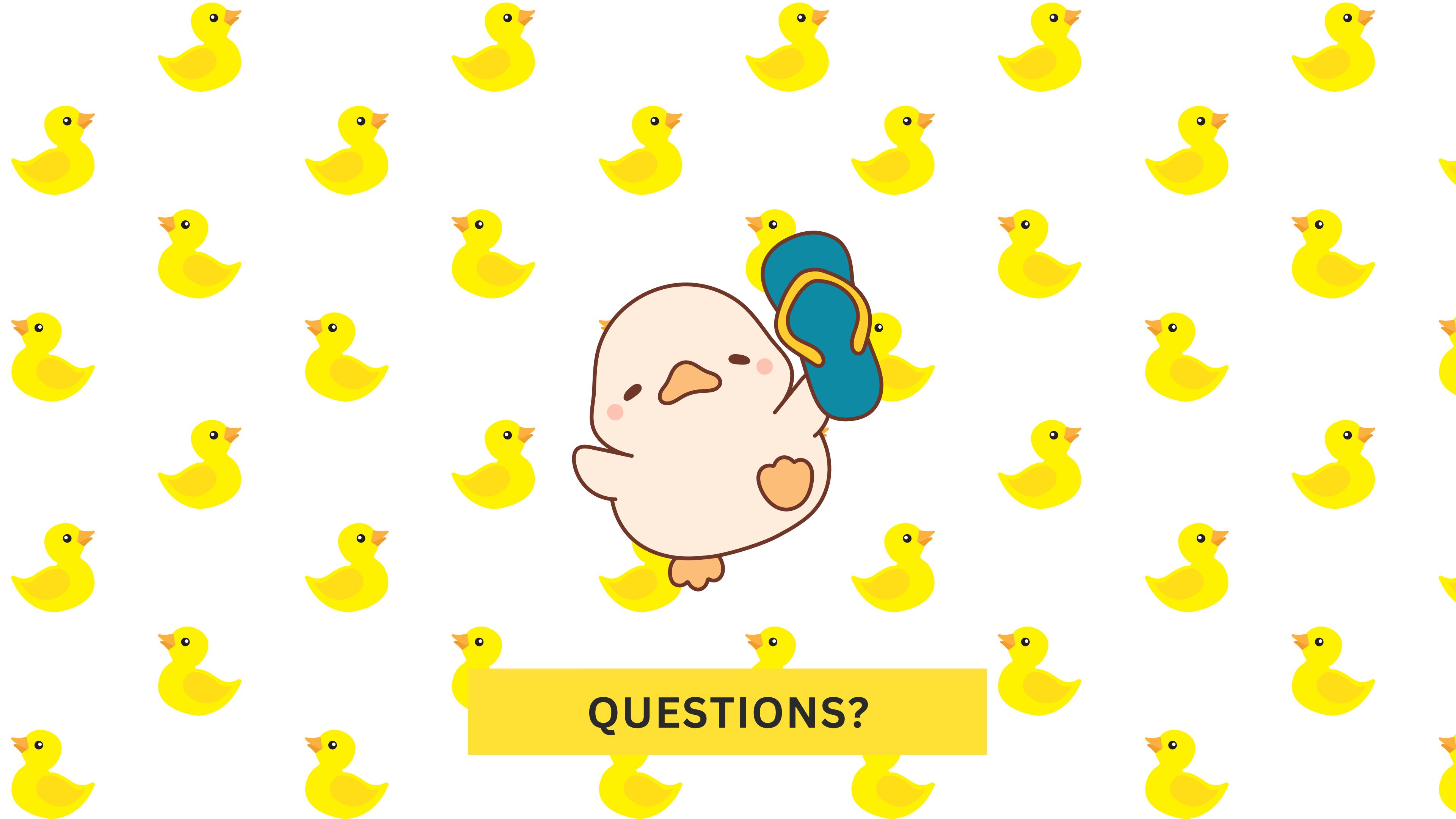
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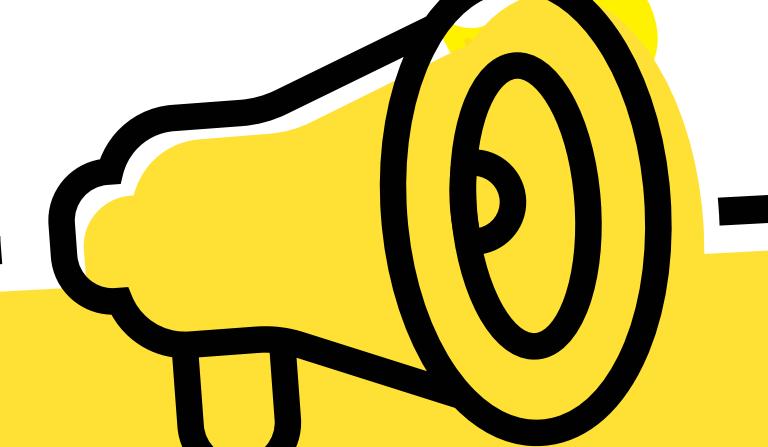
HAVE



**ANY**



**QUESTIONS?**



# **QUIZ TIME**



# MULTIPLE CHOICE

A

B

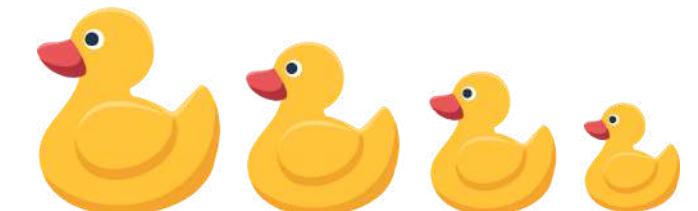
C

D

1

**Which organization provides the Code of  
Ethics and Professional Conduct  
specifically for computing professionals?**

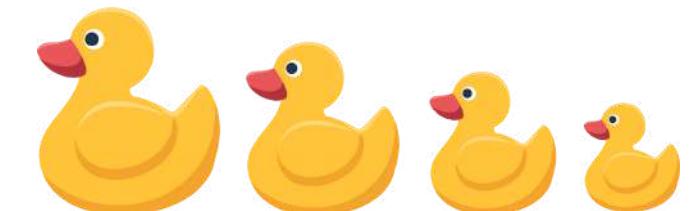
- a) NSPE
- b) ISACA
- c) ACM
- d) KIEE



1

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1

# ANSWER

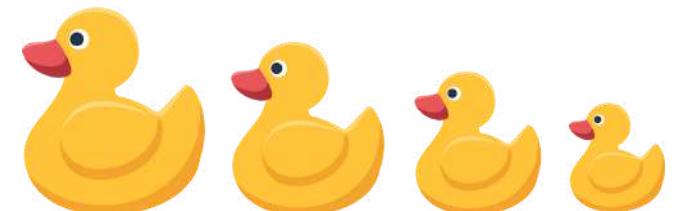
A

NSPE

2

## One of the General Ethical Principles in the ACM Code of Ethics is:

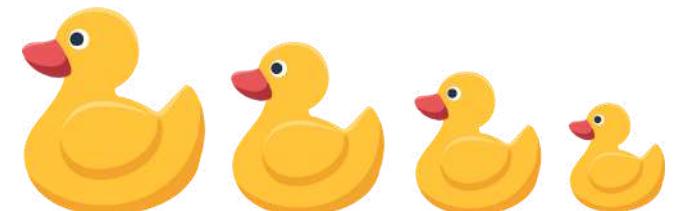
- a) Prioritizing business growth over user privacy
- b) Avoiding responsibility for system failures
- c) Respecting the work required to produce new ideas and computing artifacts
- d) Limiting transparency in professional decision-making



2

## One of the General Ethical Principles in the ACM Code of Ethics is:

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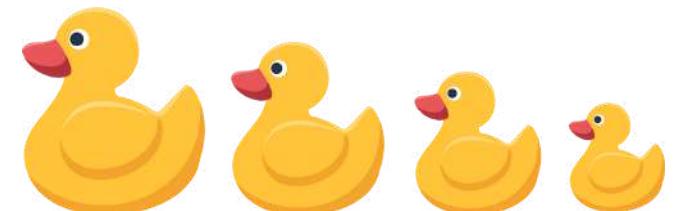
# ANSWER

C

Respecting the work required to produce new ideas  
and computing artifacts

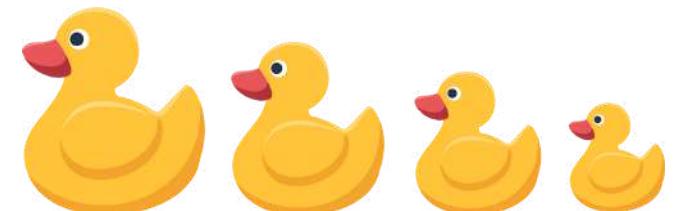
## **According to the NSPE Code of Ethics for Engineers, engineers should always:**

- a) Work in any field, regardless of their expertise
- b) Ensure public safety, health, and welfare
- c) Hide information that may negatively impact their employer
- d) Prioritize profit over ethical considerations



## **According to the NSPE Code of Ethics for Engineers, engineers should always:**

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3

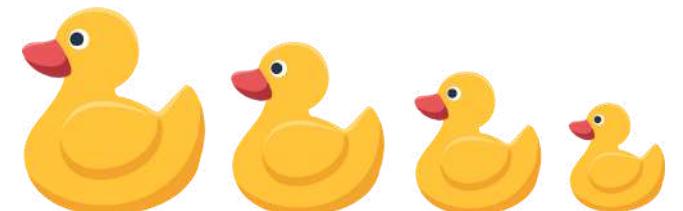
# ANSWER

B

Ensure public safety, health, and welfare

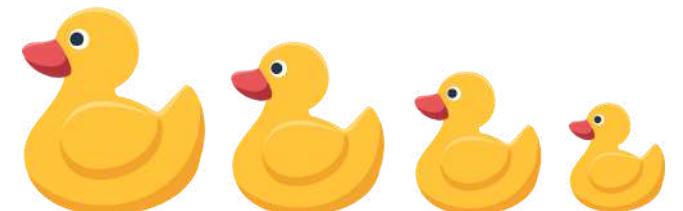
## In professional responsibilities, computing professionals should:

- a) Design and implement systems with strong security measures
- b) Share confidential information with colleagues freely
- c) Ignore feedback and professional reviews
- d) Access any computing system regardless of authorization



## In professional responsibilities, computing professionals should:

- a) Design and implement systems with strong security measures
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- c) Ignore feedback and professional reviews
- d) Access any computing system regardless of authorization



4

# ANSWER

A

Design and implement systems with strong security measures

# The ISACA Code of Professional Ethics requires professionals to:

- a) Prioritize company profits over data privacy
- b) Disclose confidential information for personal gain
- c) Avoid reporting significant facts in audit findings
- d) Promote education on governance, audit, security, and risk management



# The ISACA Code of Professional Ethics requires professionals to:

- a) Prioritize company profits over data privacy
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5

# ANSWER



D

Promote education on governance, audit, security, and risk management

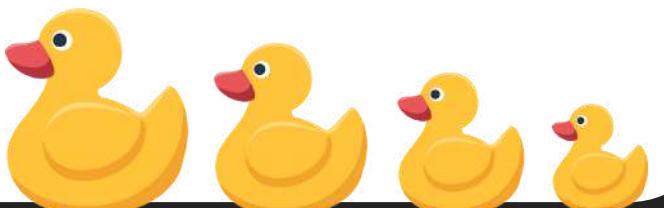
# According to the Code of Ethics for Software Engineers, software engineers should:

- a) Only follow ethical guidelines when it benefits their employer
- b) Act in the best interest of their clients and the public
- c) Keep their software designs secret to maintain exclusivity
- d) Refuse to accept responsibility for software failures



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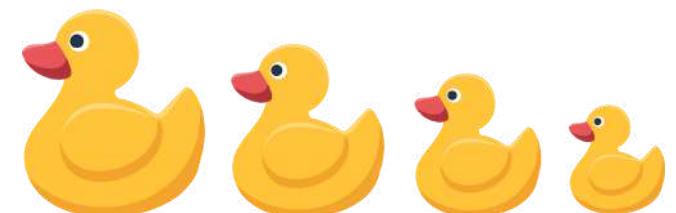
# ANSWER

B

Act in the best interest of their clients and the public

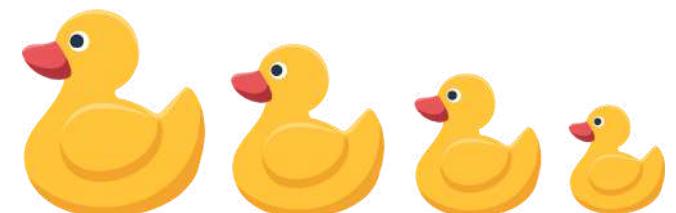
# Which ethical principle emphasizes honesty, trustworthiness, and fairness?

- a) ACM General Ethical Principles
- b) ISACA Code of Professional Ethics
- c) KIEE's Pledge of Members
- d) None of the above



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7

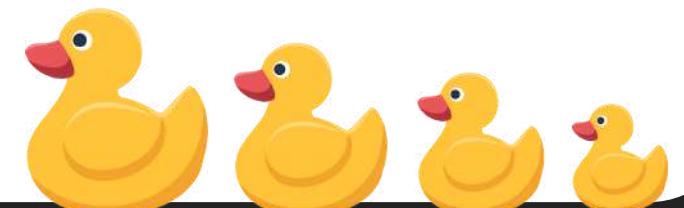
# ANSWER

A

ACM General Ethical Principles

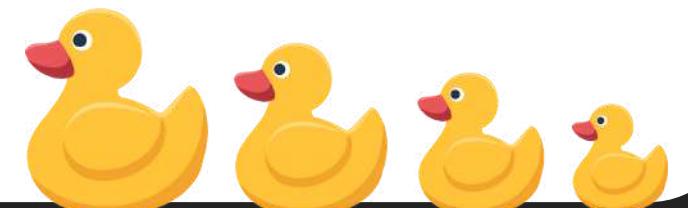
# What does the ACM Code of Ethics say about discrimination?

- a) It allows limited discrimination in hiring processes
- b) Discrimination is acceptable if it benefits the company
- c) Professionals must be fair and take action not to discriminate
- d) Ethical principles do not cover discrimination



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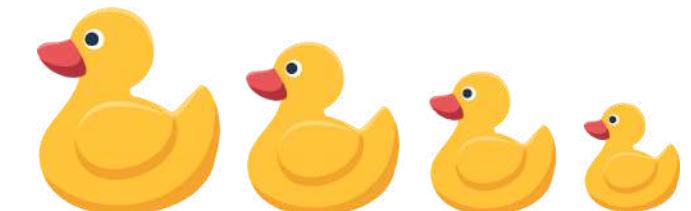
# ANSWER

C

Professionals must be fair and take action not to  
discriminate

# What is a key principle of professional leadership in computing?

- a) Avoiding accountability for project decisions
- b) Delegating all ethical decisions to company leadership
- c) Keeping employees uninformed about ethical policies
- d) Ensuring public good is the central concern in all computing work



# What is a key principle of professional leadership in computing?

- a) Avoiding accountability for project decisions
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- c) Keeping employees uninformed about ethical policies
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# ANSWER

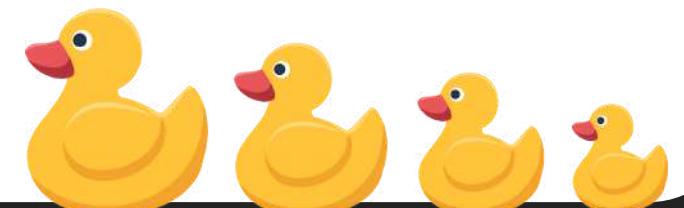
D

Ensuring public good is the central concern in all computing work

10

# Which organization focuses on ethical guidelines for electrical engineers?

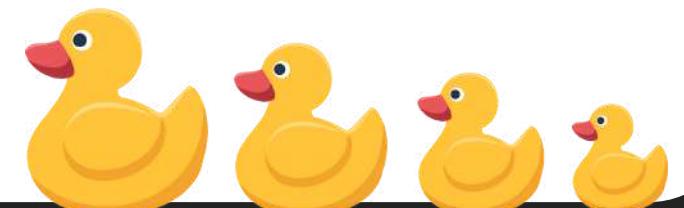
- a) ACM
- b) KIEE
- c) NSPE
- d) ISACA



10

# Which organization focuses on ethical guidelines for electrical engineers?

- a) ACM
- b) KIEE
- c) NSPE
- d) ISACA



10

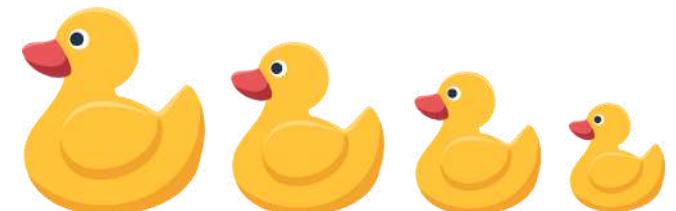
# ANSWER

B

KIEE

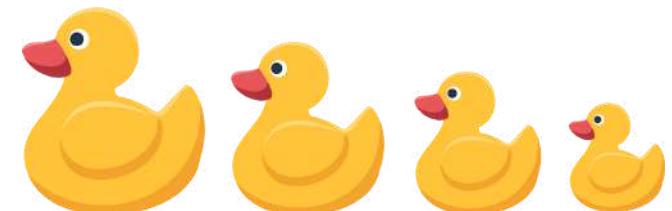
## The KIEE Code of Ethics emphasizes:

- a) The development of sustainable and eco-friendly technologies
- b) The importance of keeping software proprietary
- c) Hiding errors in technical assessments
- d) Ignoring cultural values in engineering



## The KIEE Code of Ethics emphasizes:

- a) The development of sustainable and eco-friendly technologies
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11

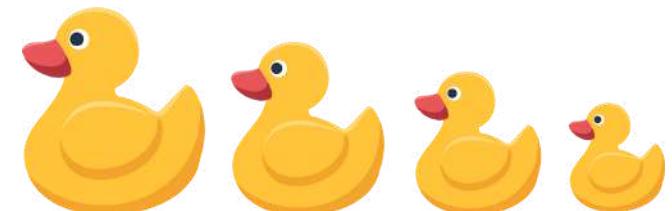
# ANSWER

A

The development of sustainable and eco-friendly technologies

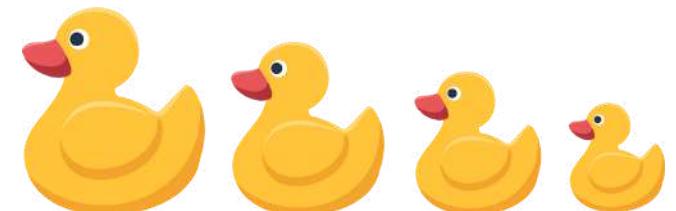
## The NSPE Code of Ethics states that engineers must:

- a) Issue public statements objectively and truthfully
- b) Engage in deceptive practices to maintain job security
- c) Only prioritize their employer's business growth
- d) Modify engineering reports to fit client expectations



## The NSPE Code of Ethics states that engineers must:

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12

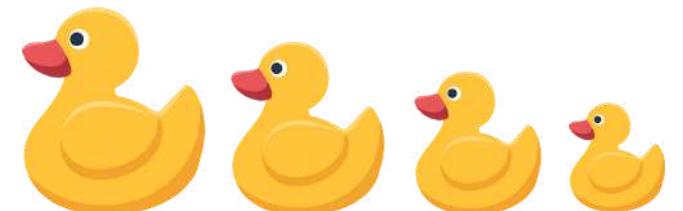
# ANSWER

A

Issue public statements objectively and truthfully

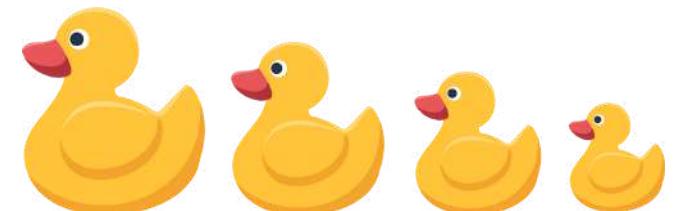
# Which Code of Ethics specifically requires members to report audit results accurately?

- a) ACM
- b) NSPE
- c) ISACA
- d) KIEE



# Which Code of Ethics specifically requires members to report audit results accurately?

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13

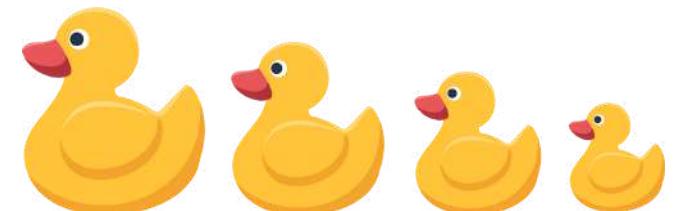
# ANSWER

C

ISACA

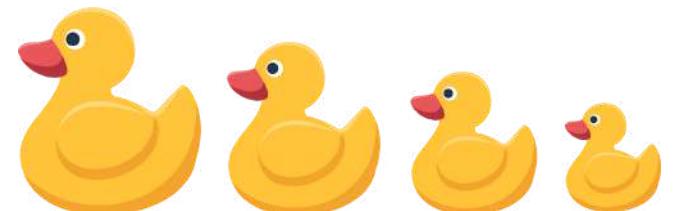
## In the KIEE Code of Ethics, how should members handle conflicts of interest?

- a) Disclose and address conflicts objectively
- b) Keep conflicts hidden to protect personal interests
- c) Make biased decisions if it benefits their company
- d) Ignore ethical considerations in business dealings



## In the KIEE Code of Ethics, how should members handle conflicts of interest?

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14

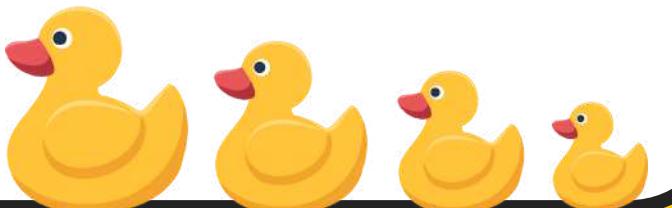
# ANSWER

A

Disclose and address conflicts objectively

**According to software engineering ethics,  
professionals should:**

- a) Refuse to participate in continuous learning
- b) Support ethical software development practices
- c) Take shortcuts to meet deadlines regardless of quality
- d) Avoid accountability for software failures



**According to software engineering ethics,  
professionals should:**

- a) Refuse to participate in continuous learning
- b) Support ethical software development practices
- c) Take shortcuts to meet deadlines regardless of quality
- d) Avoid accountability for software failures



15

# ANSWER

B

Support ethical software development practices



**BYE!!!!**