Ethics in Technology

Check Your Understanding

Ethics in Technology

✓ Evaluate your learning by completing the following knowledge check items.

Multiple Choice

1/1 point (ungraded)

Francis, a software engineer for a database management company, discovers a security flaw in an upcoming release. A colleague encourages Francis to keep this discovery quiet, as it may affect a tight release window. Francis disagrees, citing their duty to abide by a code of conduct.

Which theory best exemplifies Francis' reasoning?

- ⦿ Deontology
- ○ Utilitarianism
- ○ Virtue ethics
- ○ Relativism

Answer

Correct: Correct! Deontology is a duty-based ethical system, which focuses on rules rather than outcomes.

[Submit]

Multiple Choice

1/1 point (ungraded)

A car manufacturer decides to alter its emission testing to pass regulatory requirements. The emission reduction system is only used during tests. The system is not engaged during normal driving conditions to improve fuel efficiency, torque, and acceleration.

Which step in the ethical decision-making process should have been used to evaluate the environmental impact of this decision?

- ○ Evaluate results
- ○ Develop a problem statement
- ○ Implement decision
- ⦿ Choose alternatives

Answer

Correct:
Evaluating the environmental impact of the car manufacturer's decision should have been part of the choose alternatives step.

[Submit]

Multiple Choice

1/1 point (ungraded)

A computer animator for a children's show is reviewing the draft of script. In the script, the main character engages in behavior

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Which theory best exemplifies the animator's reasoning?

○ Deontology

◉ Virtue ethics

○ Relativism

○ Utilitarianism

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Multiple Choice

1/1 point (ungraded)

A manager for a cybersecurity company is preparing an employee for an upcoming sales trip. During the preparation, the manager advises the employee to use their company card to host expensive dinners and entertainment events for potential clients. When the employee expresses concern about whether this approach aligns with their personal values, the manager responds that fostering strong relationships and integrating into the local business community is essential, and such practices are often seen as a way to build trust and rapport within those communities.

Which theory best exemplifies the manager's reasoning?

○ Virtue ethics

◉ Communitarianism

○ Utilitarianism

○ Deontology

Answer
Correct: Correct! Communitarianism looks at the ways social connections can and should inform ethical judgments.

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Multiple Choice

1/1 point (ungraded)

Nadia is a park ranger who maintains a set number of visitors per hour to a specific attraction in a small regional park. When the attraction is at capacity, she often must turn visitors away. While Nadia acknowledges that her actions do disrupt some people, she justifies it by stating that it is for the greater good.

Which theory best exemplifies Nadia's reasoning?

○ Deontology

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Multiple Choice

1/1 point (ungraded)

Deron breaks his roommate's video game controller in a fit of rage. To avoid making his roommate angry with him, Deron claims the dog knocked it out of his hands and down some stairs.

What best describes Deron's actions?

- ○ ethical/legal
- ● unethical/legal
- ○ unethical/illegal
- ○ ethical/illegal

Answer

Correct:
Coorect! Deron's action does not clearly violate an established legal standard, but it does demonstrate self-serving deception.

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