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Q1: What might a software engineer do that is that is :

-Illegal, immoral, unethical?

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Ans:

If a company of a software engineer builds a software that is ultimately deemed federally illegal than such thing is an illegal act for software engineer or that company and they are liable to be potentially sued or legally punished.

If an act is illegal than ultimately it unethical and immoral.

- o Software is developing in a complex legal and economic framework. If software engineer builds a program or anything that is legally correct but affects some ones jurisdiction intellectual property or privacy etc. than that is considered legal but immoral and unethical.
- o If a software engineer has done something that is legally and morally correct than that cannot be unethical.

Q2: Why educational institutions include ethics awareness in software engineering courses? Give answer while keeping in mind current changes in software industry. For example, social media application, mobile games and flourishing ecommerce industry

Ans:

o As in this era we are looking many changes in software industry like social media

o Applications, mobile games and flourishing e-commerce industry. That's all due to ethics.

o Because of ethics defines socially acceptable behaviors established by various organizations to produce a positive effect on judgment, to establish responsibility of professionals to act ethically according to the policies and procedures of their employers, professional organizations and laws of society. That's why educational institutions include ethics awareness in software engineering.

Q3: Cyber Ethics is considered as more accurate label than Computer Ethics and Internet Ethics. Explain why?

Answer:

Cyber ethics is a more accurate tag than computer ethics, which might suggest the study of ethical issues limited to computing machines, or to computing professionals.

It is more thorough than Internet ethics, which is limited only to ethical issues affecting computer networks.

Q4: Apply the ethical decision making code in the following cases:
   a) **Ali reused the licensed software code without getting any permission, payment or without getting any permission, payment of acknowledgement in the document.**
   b) **Incorporated other colleague's component in application without his knowledge.**
   c) **A Samsung programmer did not describe complete details of vulnerabilities in security applications.**
   d) **The employer told a designer to design Blue National card to white people and Brown for Black people.**

a) Ali is obviously doing illegal immoral and unethical practice by not paying for software code. Even if the code is open source, Ali has to at least acknowledge the addition of the code by giving reference to that respective code.

b) If the component is copy righted, it is illegal and if it is not copyrighted then it is still immoral and unethical to incorporate acknowledge that he/she is using someone else, work but he/she is using someone else, work but colleagues should be supportive to their other colleagues.

c) Samsung programmer has to mention full set of vulnerabilities because anyone's data can be hacked or compromised. It is unethical and immoral and can be illegal if someone sued the company by doing and it.

d) This racial discrimination against brown and black people because everyone should equal opportunity to have one type of card.

Q5) You are the owner of a software engineering company. Your employees (engineers) want you to pay for them to attend training. How would you respond in a way that is legal, moral and ethical?

Ans:

- If you need to take part, you will have to pay for a legal, moral and ethical presence.
- If there is something that they do not need to participate, and they are doing their own, you are not able to pay them, however if you want to do so, it will definitely encourage, or if you refuse it, it will surely reduce the motivation