LESSON 2

**1 What is true of intermediate products?   
A** They transform skeleton plans into systems.   
Answer: **False**. Transformation systems turn skeleton plans into system.  
**B** They can be the foundation of new systems.   
Answer: **True**. Intermediate products are templates that can be a basis for new system.

**C** They are only used in unusual situations.  
Answer: **False**. It can be used in suitable situations. And it is using in common developing processes more often than in unusual situations.  
**D** They cost less than traditional engineering methods.  
Answer: **True**. It allows to not waste time of developers.

**2 Which of the following is NOT a tool for software reuse?**

**A** transformation systems are another resources of software reuse.  
**B** domain analysis programs are tool of reusing.  
**C** ADLs is tool of transformation systems.  
**D** program libraries is utilizing in developing.

**3 What makes a VHLL useful for programmers?   
A** It has a high level of abstraction. +  
**B** lt searches for usable code and information. -  
**C** It provides support tools for developing code. -  
**D** It contains various intermediate products. -

**3 Fill in the blanks with the correct words and**

**phrases: ADL, MIL, domain analysis, VHLL, application generator, intermediate product, transformation system, code scavenging.**1 **MIL** provides a plan for the architecture of a new piece of software.

2 **intermediate product** is ready to be used in the development of new software.

3 The practice of finding and reusing code is generally known as **code scavenging**.   
4 **VHLL** has a very high level of abstraction.  
5 **domain analysis** is a process that identifies reusable code and information.   
6 **application generator** provides various support tools for developers.   
7 **transformation system** helps turn vague plans into detailed systems.   
8 **ADL** provides plan for the overall structure of a software system.

**4 Write a word or phrase that is similar in meaning to the underlined part.**

1 Engineers must complete software templates before they are considered complete programs. **Instantiate**  
2 Application generators often provide a(n) unfinished component for engineers to use. **Template**

3 Programs in the early stages of development are often unfinished programs. **Skeleton**

4 A collection of available codes allows engineers to search for usable codes and insert them into new software. **Program libraries**

5 Software that connects applications to operating systems ensures that applications can run simultaneously without causing problems. **Middleware**

**5 Listen the textbook expert and read it again. Answer the question:** How do domain analysis program work?  
This program allows programmers search for usable code and information within existing pieces of codes. It means engineers cannot waste time for manual scanning of useful parts.

**6 Listen the conversation and complete the gaps.**

**Student:** I don’t really understand the benefits ***of transformation systems***. Why can’t engineers do that work themselves?

**Instructor:** Transformation systems save time. While the system ***transforms their code***, engineers can work on other projects. **Student:** Aren’t they worried that the system ***would make mistakes***?

**Instructor:** Not really. These systems are usually pretty sophisticated. The ?????????????????????? is more basic than it might sound. **Student:** Okay. | guess | understand. Can you ***explain middleware*** to me?

**Instructor:** Sure. Middleware is go-between software. It ***connects individual applications*** to an operating system.

**7 Listen to a conversation between a student and an instructor. Mark the following statements as true (T) or false (F).**

1 \_\_ Engineers use transformation systems to save time. ***True***

2 \_\_ According to the woman, transformation systems are unreliable. ***False*** It is pretty sophisticated.

3 \_\_ Middleware is used to translate code into VHLL. ***False*** It is used for running applications smoothly and it works even though many apps are running in the same time.

**8 Talk about these questions.**

1 What tools do engineers use for software reuse?

Engineers are using program libraries, domain analysis programs, very high level languages and application generators. The main cost of these practices is a saving time in the developing.

2 How does a transformation system work?  
Transformation system creates app by turning skeleton plans are written within ADL and MIL into working systems. They also aid developers make middleware.

***Talk Part***

It is important for business people to have good **telephone** etiquette. **Courtesy** should be used whenever speaking to anyone on the phone. Callers should identify themselves and then ask to speak to someone **by name**. They can also ask to be **connected** to an **extension**. A good way to end a call is to thank the person they’re speaking to for his or her time.

**Vocabulary**

**4 Place the words and phrases from the word bank under the correct heading.**

|  |  |  |
| --- | --- | --- |
| **Greeting** | **Ending** | **Asking for someone** |
| Hello this is ... | thank you for your time | Could I speak to ... |
|  | Nice speaking with you | Is ... available |
|  |  |  |
|  |  |  |

**5 Write a word or phrase that is similar in meaning to the underlined part.**

1 Hello, my name is Robert and I work for Bronson Industries.

***I’m calling from***

2 I would like to talk to the director of the sales department.

***May I speak to?***

3 Please expect a call from me on Thursday.

***I will call you back on***

4 It is important to behave with politeness on the telephone.

***Courtesy***

5 Will you direct my phone call to Number 443?   
***Can you connect me to the extension?***

|  |  |
| --- | --- |
| **6 Match the sentence halves.**  1 Can I speak  2 Call me  3 Hello, this is  4 Hello, Michel Dupont  5 I have a  6 I’m sorry  7 Can you give me  8 I can talk | a) back later, please.  b) here.  c) to Ahmed Al Harbi, please?  d) Sheila Smith, Castle Electrics.  e) to hear that.  f) to the manager.  g) some more information?  h) problem with an invoice. |
| **6 Match the sentence halves.**  1 Can I speak  2 Call me  3 Hello, this is  4 Hello, Michel Dupont  5 I have a  6 I’m sorry  7 Can you give me  8 I can talk |  |