1. Answer questions 1 to 20 in the knowledge check on pages 23 - 24. For matching, place the number next to the alphabet text, example

1. Basic functions are
   1. Input data
   2. Output data
   3. Processing
2. Software is a computer program that tells a computer what to do. Hardware is the actual physical machine.
3. Match
   1. 2
   2. 4
   3. 8
   4. 3
   5. 6
   6. 1
   7. 5
   8. 7
4. An event is when something happens because the user interacted with an event. For example, in a program that tell you about rubber ducky’s click a button that says more info and get more info. The second event would be clicking a button that said less info and getting less info.
5. An example of an input operation is that a user enters a color of rubber ducky name into a search field. An output operation is a program displays pictures of rubber duckies in a certain color.
6. Databases
   1. Social Security Database
   2. UWF Student Database
   3. Driver License Database
7. Syntax is a strict set of rules that someone most follow when coding a program. They are important because if you mess up on syntax the program wont know what you mean and will cause it to do something incorrectly or crash.
8. The toolbox is a list of important .NET components that help you with creating a GUI. It is valuable because it saves you the time of individually creating each piece.
9. Text, size
10. Visual Basic, Visual C++, Visual C#, JavaScript, Visual F#
11. The windows store
12. It is easy to read as it is close to English. It is easy to learn. And it has a lot of features that help developers generate software quickly with high quality.
13. It gets you free software. It also offers you support with creating applications.
14. A class is developed so that a developer can reuse the code. The classes are stored in class libraries.
15. A class is a blueprint, an object is a specific instance of that blueprint. For example, a class might be Employee. An object would Dave Matters with his personal info.
16. It provides the functionality for a program to perform the four primary tasks required when working with a database: getting the data, examing the data, editing the data, and updating the data.
17. Program Compilation. Compilation creates a set of electronic codes that the computer can then read. It is basically going from code language to computer language.
18. Mobile, Web, Database, Office and Windows.
19. Links
    1. <https://www.youtube.com/watch?v=XlkSV50bYyU>
       1. In this video they use HoloLens to better understand the construction of pipes which help people correctly fix them
    2. <https://www.youtube.com/watch?v=aAAvI73JyjI>
       1. In this they use the HoloLens to visual dinosaurs.
    3. <https://www.youtube.com/watch?v=wogJv5v9x-s>
       1. In this video they use HoloLens to interact with objects such a a piano.
20. HoloLens 2 costs $3500 or a monthly $125 specs: <https://www.pcworld.com/article/3342961/microsoft-launches-hololens-2-with-a-strong-business-bent.html>
    1. **Resolution:** 2K 3:2 light engines in each eye
    2. **Holographic density:** >2.5K radiants (light points per radian)
    3. **Processor:** Qualcomm Snapdragon 850
    4. **Holographic unit:** 2nd-generation
    5. **Wireless:** 802.11ac (2x2), Bluetooth 5.0
    6. **Wired:** USB-C
    7. **Camera:** 8MP stills, 1080p video
    8. **Mics:** 5-channel
    9. **Speakers:** Built-in, spatial audio
    10. **Other features:** Eye tracking, head tracking, Windows Hello authentication, 6-degrees-of-freedom (6DoF) tracking

a. Developer - (2)

2. Describe an application that you would like to develop using visual basic at the end of the course by looking at various examples in the text book or on youtube.

I would like to develop a simple application that helps a user schedule assignments. It would take in dates due, priority and basic hardness and then schedule accordingly.

3. Answer the following:

a. Could you complete the assignment for this module?

Yes

b. Did you have questions on the assignment?

No

c. if so did you contact the instructor and did you get a reply within 24 hours?

N/A