1. **What is the difference between the following two declarations?**

   - int *p[10];

     - This is a declaration of an array of pointers that contain 10 pointers of the integer datatype.

   - int (*p) [10];

     - This is a declaration of a pointer 'p' pointing to an array of 10 integers.

2. **Please explain the following two declarations:**

   - int (*p)(char(*p)[]);

     - This is a function pointer which takes a pointer to an array of character datatype as a parameter and returns an integer value.

   - int *p(char (*a)[]);

     - This is declaration to a function which takes a pointer to an array of character datatype as a parameter and then returns a integer pointer.

4. **Question 4 Output:**


   ```
   keng@xiokd-Desktop: /mnt/c/Users/Keng/Desktop
   keng@xiokd-Desktop:/mnt/c/Users/Keng/Desktop$ ./personStruct
   Expression 1:
   Name = Alfred Morino
   SSN = 496-50-2260
   Age = 50
   Height(cm) 170.5
   Weight(kg) = 70.5

   Expression 2:
   Name = Alfred Morino
   SSN = 496-50-2260
   Age = 50
   Height(cm) 170.5
   Weight(kg) = 70.5

   Expression 3:
   Name = Alfred Morino
   SSN = 496-50-2260
   Age = 50
   Height(cm) 170.5
   Weight(kg) = 70.5

   Expression 4:
   Name = Alfred Morino
   SSN = 496-50-2260
   Age = 50
   Height(cm) 170.5
   Weight(kg) = 70.5
   ```

   -

   - The following expressions provided print out the same output. The output being:

- "Name = Alfred Morino"
- "SSN = 496-50-2260"
- "Age = 50"
- "Height (cm) = 170.5"
- "Weight (kg) = 70.5"