Question 1)

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| Start |

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| Create a prime number checking function and a factor checking function that calls the prime function |

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| Take a positive integer from the user. |

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| --- |
| Call the factor checking function and print all the prime factors of the integer entered by the user |

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| Stop |

Question 2)

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| Start |

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| --- |
| Initialize an integer, character, float, integer pointer, character pointer, and float pointer. |

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| --- |
| Set each pointer equal to its corresponding variable. |

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| Print the octal, decimal, and hexadecimal forms of each variable using the pointers |

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| --- |
| Stop |

Question 3)

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| Start |

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| --- |
| Initialize an integer and a float along with a corresponding pointer for each. |

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| --- |
| Print the contents of the integers using the pointers. |

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| --- |
| Add 10 to the integer and multiply the float by 3 using the pointers. |

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| --- |
| Print the new contents of the integer and float |

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| --- |
| stop |