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"""
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CP1404/CP5632 - Practical - Suggested Solution  
ASCII table and converter, with functions
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"""
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LOWER = 33  
UPPER = 127
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def main():  
    """Get and convert ASCII values/characters."""  
    char = input("Enter a character: ")  
    print("The ASCII code for {} is {}".format(char, ord(char)))  
    number = get_number_between(LOWER, UPPER)  
    print("The character for {} is {}".format(number, chr(number)))  
  
    # ASCII table (no columns)  
    for value in range(LOWER, UPPER + 1):  
        print("{:3} {:>4}".format(value, chr(value)))  
  
def get_number_between(lower=LOWER, upper=UPPER):  
    """Get a valid number between the given parameters."""  
    number = int(  
        input("Enter a number between {} and {}: ".format(lower, upper)))  
    while number < lower or number > upper:  
        number = int(  
            input("Enter a number between {} and {}: ".format(lower, upper)))  
    return number  
  
main()
```