**Write a program to take a character input from keyboard and check if it is a number or alphabet or special character using ASCII CODE. Again check if the character is using character functions below:**

**a) Alphanumeric (isalnum)**

**b) Blank character (isblank)**

**c) Alphabetic (isalpha)**

**d) Control character (iscntrl)**

**e) Number-digit (isdigit)**

**f) Upper case (isupper)**

**g) Lower case (islower)**

**h) Hexadecimal digit (ixdigit)**

**i) Graphical character (isgraph)**

**#include<stdio.h>**

**#include<conio.h>**

**#include<ctype.h>**

**int main()**

**{**

**char c;**

**int ch;**

**printf("Enter any character:\t");**

**scanf("%c",&c);**

**ch=c;**

**if (ch>=48 && ch<=57)**

**{**

**printf("%c is number\n",c);**

**}**

**else if((ch>=65 && ch<=90)||(ch>=97 && ch<=122))**

**{**

**printf("%c is alphabet\n",c);**

**}**

**else if(ch>31)**

**{**

**printf("%c is special char\n",c);**

**}**

**if (isalnum(c)==0)**

**{**

**printf("%c is not alphanumeric\n",c);**

**}**

**else**

**{**

**printf("%c is alpha numeric\n",c);**

**}**

**if (isblank(c)==0)**

**{**

**printf("%c is not blank character\n",c);**

**}**

**else**

**{**

**printf("%c is blank character\n"),c;**

**}**

**if (isalpha(c)==0)**

**{**

**printf("%c is not alphabetic\n",c);**

**}**

**else**

**{**

**printf("%c is alphabetic\n",c);**

**}**

**if (iscntrl(c)==0)**

**{**

**printf("%c is not control character\n",c);**

**}**

**else**

**{**

**printf("%c is a control character\n",c);**

**}**

**if(isdigit(c)==0)**

**{**

**printf("%c is not a number-digit\n",c);**

**}**

**else**

**{**

**printf("%c is a number-digit\n",c);**

**}**

**if(isupper(c)==0)**

**{**

**printf("%c is not in upper case\n",c);**

**}**

**else**

**{**

**printf("%c is in upper case\n",c);**

**}**

**if (islower(c)==0)**

**{**

**printf("%c is not in lower case\n",c);**

**}**

**else**

**{**

**printf("%c is in lower case\n",c);**

**}**

**if (isxdigit(c)==0)**

**{**

**printf("%c is not hexadecimal digit\n",c);**

**}**

**else**

**{**

**printf("%c is hexadecimal digit\n",c);**

**}**

**if (isgraph(c)==0)**

**{**

**printf("%c is not graphical character\n",c);**

**}**

**else**

**{**

**printf("%c is graphical character\n",c);**

**}**

**return 0;**

**}**