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/* ptr6.p1 Pointer example ptr01.W2018.c - Storage sizes reminder */
/* No pointer variables yet, in this example */
#include <stdio.h>

```

```

main( )
{
    int    x = 0;
    float  y = 3.4;
    double z = 5.6;
    char   ch = 'a';

    printf( "___'s value and its storage used is\n\n" );
    printf( "x  %8d %8d\n", x, sizeof( x ) );
    printf( "y  %8f %8d\n", y, sizeof( y ) );
    printf( "z  %8lf %8d\n", z, sizeof( z ) );
    printf( "ch %8c %8d\n", ch, sizeof( ch ) );

    printf("\n\n--'s value and the storage used by its ADDRESS is \n\n");
    printf( "x  %8d %8d\n", x, sizeof( &x ) );
    printf( "y  %8f %8d\n", y, sizeof( &y ) );
    printf( "z  %8lf %8d\n", z, sizeof( &z ) );
    printf( "ch %8c %8d\n", ch, sizeof( &ch ) );

    printf( "\n\n___'s address is\n\n" );
    printf( "x  %8d  int\n", &x);
    printf( "y  %8d  float\n", &y);
    printf( "z  %8d  double\n", &z);
    printf( "ch %8d  char\n", &ch);
}

```

==>

___'s value and its storage used is

x	0	4
y	3.400000	4
z	5.600000	8
ch	a	1

___'s value and the storage used by its ADDRESS is

x	0	4
y	3.400000	4
z	5.600000	4
ch	a	4

___'s address is

x	2686804	int
y	2686800	float
z	2686792	double
ch	2686791	char