```c
#include <stdlib.h>

int             ft_abs(int nb)
{
        if (nb < 0)
                nb = -nb;
        return (nb);
}

char    *ft_itoa_base(int value, int base)
{
        char    *str;
        int             size;
        char    *tab;
        int             flag;
        int             tmp;
        flag = 0;
        size = 0;
        tab = "0123456789ABCDEF";
        if (base < 2 || base > 16)
                return (0);
        if (value < 0 && base == 10)
                flag = 1;
        tmp = value;
        while (tmp /= base)
                size++;
        size = size + flag + 1;
        str = (char *)malloc(sizeof(char) * size  + 1);
        str[size] = '\0';
        if (flag == 1)
                str[0] = '-';
        while (size > flag)
        {
                str[size - 1] = tab[ft_abs(value % base)];
                size--;
                value /=base;
        }
        return (str);
}
```