

```
#include <stdlib.h>
```

```
char *ft_itoa(int nbr)
```

```
{
```

```
    int        len;
```

```
    long   n_tmp;
```

```
    char *str;
```

```
    len = 0;
```

```
    n_tmp = nbr;
```

```
    if (nbr == -2147483648)
```

```
        return ("-2147483648");
```

```
    if (!(str = (char *)malloc(sizeof(char) * len + 1)))
```

```
        return (NULL);
```

```
    str[len] = '\0';
```

```
    if (nbr == 0)
```

```
    {
```

```
        str[0] = '0';
```

```
        return (str);
```

```
    }
```

```
    if (nbr < 0)
```

```
    {
```

```
        len += 1;
```

```
        nbr *= -1;
```

```
        str[0] = '-';
```

```
    }
```

```
    while (n_tmp)
```

```
    {
```

```
        n_tmp /= 10;
```

```
        len += 1;
```

```
    }
```

```
    while (nbr)
```

```
    {
```

```
        str[--len] = (nbr % 10) + '0';
```

```
        nbr /= 10;
```

```
    }
```

```
    return (str);
```

```
}
```