

Write a C Program to implement the Binary Reversal.

```
#include<stdio.h>
```

```
unsigned int reverseBits(unsigned int n)
```

```
{
```

```
    unsigned int rev = 0;
```

```
    while (n > 0)
```

```
    {
```

```
        rev <<= 1;
```

```
        if (n & 1 == 1)
```

```
            rev ^= 1;
```

```
        n >>= 1;
```

```
    }
```

```
    return rev;
```

```
}
```

```
int main()
```

```
{
```

```
    unsigned int n;
```

```
    printf("input: ");
```

```
    scanf("%d",&n);
```

```
    printf("output: %d\n", reverseBits(n));
```

```
    return 0;
```

```
}
```

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input

```
input: 213
output: 171

...Program finished with exit code 0
Press ENTER to exit console.
```

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