

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

```
int is_power_of_2(unsigned int n);
```

```
int main(void)
```

```
{
```

```
    unsigned int num[7];
```

```
    num[0] = 0;
```

```
    num[1] = 200;
```

```
    num[2] = 32;
```

```
    num[3] = 256;
```

```
    num[4] = 13;
```

```
    num[5] = 1000;
```

```
    num[6] = 1024;
```

```
    int i;
```

```
    i = 0;
```

```
    while(i <= 6)
```

```
    {
```

```
        if (is_power_of_2(num[i]))
```

```
            printf("%s %d\n", "yep", num[i]);
```

```
        else
```

```
            printf("%s %d\n", "nope", num[i]);
```

```
        i++;
```

```
    }
```

```
}
```