```
or odd by using conditional statement.
#include <stdio.h>
int main(){
    int number;
    printf("Enter a number : ");
    scanf("%d", &number);
    if(number%2==0){
        printf("Number is even.");
    }
    else{
        printf("Number is odd.");
    return 0;
}
Output
Enter a number : 15
Number is odd.
Enter a number : 20
Number is even.
```

```
case.
#include <stdio.h>
int main(){
    int nDay;
    printf("1. January\n2. February\n3. March\n4. April\n5.
May\n6. June\n7. July\n8. August\n9. September\n10. October\n11.
November\n12. December\n\nEnter choice : ");
    scanf("%d", &nDay);
    switch (nDay)
    case 1:
        printf("Number of days : 31");
        break:
    case 2:
        printf("Number of days : 28");
        break;
    case 3:
        printf("Number of days : 31");
        break:
    case 4:
        printf("Number of days : 30");
        break:
    case 5:
        printf("Number of days : 31");
        break;
    case 6:
        printf("Number of days : 30");
        break:
    case 7:
        printf("Number of days : 31");
        break:
    case 8:
        printf("Number of days : 31");
        break;
    case 9:
        printf("Number of days : 30");
        break;
    case 10:
       printf("Number of days : 31");
```

```
break;
    case 11:
        printf("Number of days : 30");
        break;
    case 12:
        printf("Number of days : 31");
        break;
    return 0;
0utput
1. January
2. February
3. March
4. April
6. June
8. August
9. September
10. October
11. November
12. December
Enter choice : 2
Number of days : 28
```

```
#include <stdio.h>
int main(){
    int value = 1;
    for (int i = 0; i < 5; i++)
    {
        for (int k = 0; k < 5-value; k++)
            printf(" ");
        for (int j = 0; j < value; j++)
            printf("%d ", value);
        value++;
        printf("\n");
    }
    return 0;
```

```
while loop.
#include <stdio.h>
#include <math.h>
int main(){
    int n1, n2, sumValue=0, noDigits = 0;
    printf("Enter a number : ");
    scanf("%d", &n1);
    n2 = n1;
    while (n2!=0)
    {
        noDigits++;
        n2 = n2/10;
    }
    n2 = n1;
    while (n2!=0)
    {
        sumValue += powf(n2%10, noDigits);
        n2 = n2/10;
    }
    if(sumValue == n1){
        printf("Entered number is armstrong.");
    }
    else{
        printf("Entered number is not armstrong.");
    }
    return 0;
}
Output
```

```
Enter a number : 153
Entered number is armstrong.
*/
```

```
where 'n' should be entered by the user.
#include <stdio.h>
int main(){
    int n, i=1;
    printf("Enter a number : ");
    scanf("%d", &n);
    do
    {
        printf("%d\n", i);
        i++;
    } while (i<=n);</pre>
    return 0;
}
Output
Enter a number : 10
```