

Name - Sahil Chaudhary

Page:

Date: / /

Q1) Write a program to check even or odd number?

Code:

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

```
#include <conio.h>
```

```
void check (int n) {
```

```
    if (n % 2 != 0) {
```

```
        printf ("It's number is odd \n");
```

```
    }
```

```
    else {
```

```
        printf ("It's number is even \n");
```

```
    }
```

```
}
```

```
void main () {
```

```
    int num;
```

```
    printf ("Enter a number to check even or odd \n");
```

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

```
    check (num);
```

```
    getch();
```

```
}
```


Q2) Write a program to reverse a Number?

⇒ Code:
 #include <stdio.h>
 #include <conio.h>

```
void reverse (int n) {
    int ans;
    while (n != 0) {
        ans = n % 10;
        printf ("%d", ans);
        n = n / 10;
    }
}
```

```
void main () {
    int num;
```

```
    printf ("Enter a number for reverse\n");
    scanf ("%d", &num);

    reverse (num);
    getch ();
}
```


Ques 3) Check a number Armstrong number or Not

⇒ Code:

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

```
int power (int i, int n) {
    if (n == 0) {
        return 1;
    }
```

```
    int s = power(i, n/2);
    if (n % 2 == 0)
    { return s * s; }
    else {
```

```
        return i * s * s;
    }
```

```
int order (int n) {
```

```
    int c = 0;
```

```
    while (n) {
```

```
        c++;
```

```
        n = n/10;
```

```
    }
```

```
    return c;
```

```
}
```



```
void check (int x) {  
    int n = order (x);  
    int temp = x, sum = 0;
```

```
    while (temp != 0) {  
        int r = temp % 10;  
        sum += Power (r, n);  
        temp = temp / 10;  
    }
```

```
    if (sum == x) {  
        printf ("it's a armstrong number\n");  
    }
```

```
    else {  
        printf ("it's a not a armstrong  
        number\n");  
    }
```

```
void main () {  
    int num;  
    printf ("Enter the number to  
    check armstrong or not\n");
```

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

```
    check (num);
```

```
    getch();  
}
```


Page:
Date: / /

Que 4) Check number is palindrom number or not?

⇒ Code:

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

```
int reverse(int num){
    int rev = 0;
    int Temp = num;
```

```
    while (Temp != 0){
        int s = Temp % 10;
        rev = rev * 10 + s;
        Temp = Temp / 10;
    }
```

```
    return rev;
```

```
}

Void check_palindrome(int n)
    int revf = reverse(n);
```

```
    if (revf == n){
```

```
        printf("It's a palindrome number\n");
    }
```

```
else{
```

```
    printf("It's is not palindrome number\n");
}
```



```

void main() {
    int n; printf("Enter number\n");
    scanf("%d", &n);
    check_palindrome(n);
    getch();
}

```

Q5) Wap to accept 5 number in array and display it?

⇒ Code:

```

#include <stdio.h>
#include <stdlib.h>
#include <conio.h>

```

```

void display(int* arr) {
    for (int i = 0; i < 5; i++) {
        printf("%d ", arr[i]);
    }
}

```

```

void main() {
    int arr[5];
    printf("Enter 5 number\n");
    for (int i = 0; i < 5; i++) {
        scanf("%d", &arr[i]);
    }
    display(arr);
    getch();
}

```