

OnlineGDB beta
online compiler and debugger for c/c++
Welcome, Tari Ramadhanty
uts lab C
Create New Project
My Projects
Classroom
Learn Programming
Programming Questions
Upgrade
Logout
Learn Python with KodeKloud

```
main.c
22  digit -= 9;
23  }
24  }
25  sum += digit;
26  }
27  return sum % 10 == 0;
28  }
29  int main() {
30  char cardNumber[17];
31  printf("Masukkan nomor kartu: ");
32  scanf("%s", cardNumber);
33  if (isValidCardNumber(cardNumber))
34  {
35  if (cardNumber[0] == '4') {
36  printf("Nomor kartu anda: %s\n", cardNumber);
37  printf("Tipe kartu anda: VISA\n");
38  } else if (strlen(cardNumber, "51", 2) == 0 || strlen(cardNumber, "52", 2) == 0 ||
39  strlen(cardNumber, "53", 2) == 0 || strlen(cardNumber, "54", 2) == 0 ||
40  strlen(cardNumber, "55", 2) == 0) {
41  printf("Nomor kartu anda: %s\n", cardNumber);
42  printf("Tipe kartu anda: MASTERCARD\n");
43  } else {
44  printf("Nomor kartu anda: %s\n", cardNumber);
45  printf("Tipe kartu anda: TIDAK DIKETAHUI\n");
46  }
47  }
48  }
49  ...Program finished with exit code 0
50  Press ENTER to exit console.
```

Masukkan nomor kartu: 2221000000000009
Nomor kartu anda: 2221000000000009
Tipe kartu anda: TIDAK VALID
...Program finished with exit code 0
Press ENTER to exit console.

23:00
03-May-24

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```
main.c
22  digit -= 9;
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25  sum += digit;
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27  return sum % 10 == 0;
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29  int main() {
30  char cardNumber[17];
31  printf("Masukkan nomor kartu: ");
32  scanf("%s", cardNumber);
33  if (isValidCardNumber(cardNumber))
34  {
35  if (cardNumber[0] == '4') {
36  printf("Nomor kartu anda: %s\n", cardNumber);
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39  strlen(cardNumber, "53", 2) == 0 || strlen(cardNumber, "54", 2) == 0 ||
40  strlen(cardNumber, "55", 2) == 0) {
41  printf("Nomor kartu anda: %s\n", cardNumber);
42  printf("Tipe kartu anda: MASTERCARD\n");
43  } else {
44  printf("Nomor kartu anda: %s\n", cardNumber);
45  printf("Tipe kartu anda: TIDAK DIKETAHUI\n");
46  }
47  }
48  }
49  ...Program finished with exit code 0
50  Press ENTER to exit console.
```

Masukkan nomor kartu: 4222222222222222
Nomor kartu anda: 4222222222222222
Tipe kartu anda: VISA
...Program finished with exit code 0
Press ENTER to exit console.

onlinegdb.com/edit/-IQYL28pe

```
37 cin >> cardNumber;
38
39 if (isValidCardNumber(cardNumber)) {
40
41     if (cardNumber[0] == '4') {
42         cout << "Nomor kartu anda: " << cardNumber << endl;
43         cout << "Tipe kartu anda: VISA" << endl;
44     } else if (cardNumber.substr(0, 2) == "51" || cardNumber.substr(0, 2) == "52" ||
45               cardNumber.substr(0, 2) == "53" || cardNumber.substr(0, 2) == "54" ||
46               cardNumber.substr(0, 2) == "55") {
47         cout << "Nomor kartu anda: " << cardNumber << endl;
48         cout << "Tipe kartu anda: MASTERCARD" << endl;
49     } else {
50         cout << "Nomor kartu anda: " << cardNumber << endl;
51         cout << "Tipe kartu anda: TIDAK DIKETAHUI" << endl;
52     }
53
54     int checksum = 0;
55     for (int i = 0; i < cardNumber.length(); i++) {
56         checksum += cardNumber[i] - '0';
57     }
58
59     } else {
60
61         cout << "Nomor kartu anda: " << cardNumber << endl;
62         cout << "Tipe kartu anda: TIDAK VALID" << endl;
63     }
64
65     return 0;
66 }
67
68
```

Masukkan nomor kartu: 2221000000000000
Nomor kartu anda: 2221000000000000
Tipe kartu anda: TIDAK VALID

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

onlinegdb.com/edit/-IQYL28pe

```
37 cin >> cardNumber;
38
39 if (isValidCardNumber(cardNumber)) {
40
41     if (cardNumber[0] == '4') {
42         cout << "Nomor kartu anda: " << cardNumber << endl;
43         cout << "Tipe kartu anda: VISA" << endl;
44     } else if (cardNumber.substr(0, 2) == "51" || cardNumber.substr(0, 2) == "52" ||
45               cardNumber.substr(0, 2) == "53" || cardNumber.substr(0, 2) == "54" ||
46               cardNumber.substr(0, 2) == "55") {
47         cout << "Nomor kartu anda: " << cardNumber << endl;
48         cout << "Tipe kartu anda: MASTERCARD" << endl;
49     } else {
50         cout << "Nomor kartu anda: " << cardNumber << endl;
51         cout << "Tipe kartu anda: TIDAK DIKETAHUI" << endl;
52     }
53
54     int checksum = 0;
55     for (int i = 0; i < cardNumber.length(); i++) {
56         checksum += cardNumber[i] - '0';
57     }
58
59     } else {
60
61         cout << "Nomor kartu anda: " << cardNumber << endl;
62         cout << "Tipe kartu anda: TIDAK VALID" << endl;
63     }
64
65     return 0;
66 }
67
68
```

Masukkan nomor kartu: 4222222222222222
Nomor kartu anda: 4222222222222222
Tipe kartu anda: VISA

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

onlinegdb.com/edit/-IQYL28pe

```
main.cpp
37 cin >> cardNumber;
38
39 if (isValidCardNumber(cardNumber)) {
40
41     if (cardNumber[0] == '4') {
42         cout << "Nomor kartu anda: " << cardNumber << endl;
43         cout << "Tipe kartu anda: VISA" << endl;
44     } else if (cardNumber.substr(0, 2) == "51" || cardNumber.substr(0, 2) == "52" ||
45               cardNumber.substr(0, 2) == "53" || cardNumber.substr(0, 2) == "54" ||
46               cardNumber.substr(0, 2) == "55") {
47         cout << "Nomor kartu anda: " << cardNumber << endl;
48         cout << "Tipe kartu anda: MASTERCARD" << endl;
49     } else {
50         cout << "Nomor kartu anda: " << cardNumber << endl;
51         cout << "Tipe kartu anda: TIDAK DIKETAHUI" << endl;
52     }
53
54     int checksum = 0;
55     for (int i = 0; i < cardNumber.length(); i++) {
56         checksum += cardNumber[i] - '0';
57     }
58
59     if (checksum % 10 == 0) {
60         cout << "Nomor kartu anda: " << cardNumber << endl;
61         cout << "Tipe kartu anda: TIDAK VALID" << endl;
62     }
63 }
64
65 return 0;
66
67
68
```

Masukkan nomor kartu: 555555555554444
Nomor kartu anda: 555555555554444
Tipe kartu anda: MASTERCARD
...Program finished with exit code 0
Press ENTER to exit console.

onlinegdb.com/edit/obnrOJxcp

```
main.c
22 digit = 0;
23 }
24 }
25
26 sum += digit;
27 }
28
29 return sum % 10 == 0;
30 }
31
32 int main() {
33     char cardNumber[17];
34
35     printf("Masukkan nomor kartu: ");
36     scanf("%s", cardNumber);
37
38     if (isValidCardNumber(cardNumber))
39     {
40
41         if (cardNumber[0] == '4') {
42             printf("Nomor kartu anda: %s\n", cardNumber);
43             printf("Tipe kartu anda: VISA\n");
44         } else if (strcmp(cardNumber, "51") == 0 || strcmp(cardNumber, "52") == 0 ||
45                  strcmp(cardNumber, "53") == 0 || strcmp(cardNumber, "54") == 0 ||
46                  strcmp(cardNumber, "55") == 0) {
47             printf("Nomor kartu anda: %s\n", cardNumber);
48             printf("Tipe kartu anda: MASTERCARD\n");
49         } else {
50             printf("Nomor kartu anda: %s\n", cardNumber);
51             printf("Tipe kartu anda: TIDAK DIKETAHUI\n");
52         }
53
54     }
55 }
```

Masukkan nomor kartu: 555555555554444
Nomor kartu anda: 555555555554444
Tipe kartu anda: MASTERCARD
...Program finished with exit code 0
Press ENTER to exit console.

```

(program C
#include <iostream>
#include <string>
using namespace std;
bool isValidCardNumber(string cardNumber) {
if (cardNumber.length() != 16 && cardNumber.length() != 13) {
return false;
}
int sum = 0;
for (int i = cardNumber.length() - 1; i >= 0; i--) {
int digit = cardNumber[i] - '0';
if (i % 2 != 0)
{
digit *= 2;
if (digit > 9)
{
digit -= 9;
}
}
sum += digit;
}
return sum % 10 == 0;
}
int main()
{
string cardNumber;
cout << "Masukkan nomor kartu: ";
cin >> cardNumber;
if (isValidCardNumber(cardNumber)) {
if (cardNumber[0] == '4')
{
cout << "Nomor kartu anda: " << cardNumber << endl;
cout << "Tipe kartu anda: VISA" << endl;
}
else if (cardNumber.substr(0, 2) == "51" || cardNumber.substr(0, 2) == "52" ||
cardNumber.substr(0, 2) == "53" || cardNumber.substr(0, 2) == "54" ||
cardNumber.substr(0, 2) == "55")
{
cout << "Nomor kartu anda: " << cardNumber << endl;
cout << "Tipe kartu anda: MASTERCARD" << endl;
}
else
{

```

```

cout << "Nomor kartu anda: " << cardNumber << endl;
cout << "Tipe kartu anda: TIDAK DIKETAHUI" << endl;
}
int checksum = 0;
for (int i = 0; i < cardNumber.length(); i++)
{
checksum += cardNumber[i] - '0';
}
}
else
{
cout << "Nomor kartu anda: " << cardNumber << endl;
cout << "Tipe kartu anda: TIDAK VALID" << endl;
}
return 0;
}

```

(Program menggunakan Bahasa C++)

```

#include <stdio.h>
#include <string.h>
int isValidCardNumber(char *cardNumber) {
(strlen(cardNumber) != 16 && strlen(cardNumber) != 13) {
return 0;
}
int sum = 0;
int length = strlen(cardNumber);
for (int i = length - 1; i >= 0; i--) {
int digit = cardNumber[i] - '0';
if (i % 2 != 0) {
digit *= 2;
if (digit > 9) {
digit -= 9;
}
}
sum += digit;
}
return sum % 10 == 0
}
int main()
char cardNumber[17];
printf("Masukkan nomor kartu: ");
scanf("%s", cardNumber);
if (isValidCardNumber(cardNumber))

```

```

{
if (cardNumber[0] == '4') {
printf("Nomor kartu anda: %s\n", cardNumber);
printf("Tipe kartu anda: VISA\n");
} else if (strncmp(cardNumber, "51", 2) == 0 || strncmp(cardNumber, "52", 2) == 0
|| strncmp(cardNumber, "53", 2) == 0 || strncmp(cardNumber, "54", 2) == 0 ||
|| strncmp(cardNumber, "55", 2) == 0) {
printf("Nomor kartu anda: %s\n", cardNumber);
printf("Tipe kartu anda: MASTERCARD\n");
} else {
printf("Nomor kartu anda: %s\n", cardNumber);
printf("Tipe kartu anda: TIDAK DIKETAHUI\n");
}
int checksum = 0;
int length = strlen(cardNumber);
for (int i = 0; i < length; i++) {
checksum += cardNumber[i] - '0';
}
} else {
printf("Nomor kartu anda: %s\n", cardNumber);
printf("Tipe kartu anda: TIDAK VALID\n");
}
return 0;
}

```