**C++**

**Qualification Test #2**

1. **Convert Below Code From If-Statement Format To Switch-Statement Format .**

int main ( )

{

    int day;

    cout << "enter a day number: ";

    cin >> day;

    if (day == 1) cout << "Saturday\n";

    else if (day == 2) cout << "Sunday\n";

    else if (day == 3) cout << "Monday\n";

    else if (day == 4) cout << "Tuesday\n";

    else if (day == 5) cout << "Wednesday\n";

    else if (day == 6) cout << "Thursday\n";

    else if (day == 7) cout << "Friday\n";

    else cout << "invalid day\n";

    return 0;

}

int main ( )

**{**

int day;

cout << "enter a day number: ";

cin >> day;

switch (day)

**{**

case 1: cout << "Saturday\n"; break;

case 2: cout << "Sunday\n"; break;

case 3: cout << "Monday\n"; break;

case 4: cout << "Tuesday\n"; break;

case 5: cout << "Wednesday\n"; break;

case 6: cout << "Thursday\n"; break;

case 7: cout << "Friday\n"; break;

default: cout << "invalid day\n;

**}**

return 0;

1. **Find the exact output of the following :**

**int main ( )**

**{**

int month;

cout << **"**enter a month number: **"**;

cin >> month;

switch (month)

**{**

case 1:

case 3:

case 5:

case 7:

case 8:

case 10:

case 12:

{ cout << "31"; }

break;

case 2:

{ cout << **"**28 or 29**"**; }

case 4:

case 6:

case 9:

case 11:

{ cout << 30; }

break;

default: cout << **"**Invalid number of**"**;

**}**

cout << **"** days\n**"**;

return 0;

}

**enter a month number:**

month = 1: 31 days

month = 2: 28 or 29 days

month = 3**:** 31 days

month = 4: 30 days

month = 5: 31 days

month = 6**:** 30 days

month = 7**:** 31 days

month = 8**:** 31 days

month = 9**:** 30 days

month = 10**:** 31 days

month = 11**:** 30 days

month = 12**:** 31 days

others**:** Invalid number of days

1. **Write a program that reads 10 integers and prints the count of even numbers.**

**# include <iostream>**

**using namespace std;**

**int main ( )**

**{**

int x, i, count = 0;

cout << **"**Enter 10 integers:\n**"**;

for (i = 1; i <= 10; i++)

{

cin >> x;

if (x % 2 == 0)

count = count + 1;

}

if (count != 0)

cout << **"**Number of evens is: **"** << count << endl;

else

cout << **"**No even numbers!\n**";**

**return 0;**

**}**

1. **Write a program that reads 7 integers and prints their minimum.**

**# include <iostream>**

**using namespace std;**

**int main ( )**

**{**

int x, min;

cout <<**"**Enter 7 integers: **"**;

cin >> min;

for (int i = 2; i <= 7; i++)

{

cin >> x;

if (x < min)

min = x;

}

cout << **"**Minimum is:**"** << min <<endl;

**return 0;**

**}**