COMPUTER SYSTEM AND PROGRAMMING

LAB TASKS

ASSIGNMENT NO # 2

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- ➢ CLASS:ME 15

- ➢ SECTION: B

- ➢ ROLL NO: 466092

TASK # 1

- Code:

```cpp
# include <iostream>

using namespace std ;

int  main (){

int grade;

cout << "please enter your score: ";

cin>>grade;

if (grade>90 && grade<100){

cout<<"your grade letter is:"<<"A";

}

else if (grade>75 &&grade<90){

cout<<"your grade letter is B";

}

else if (grade >60 &&grade <75){

cout << "your grade is C ";


}

else if (grade >45&& grade<60){

cout<<"your grade letter is D";

}

else if (grade >0&&grade <45){

cout <<"your grade letter is F";


}

return 0 ;

}
```

- Result:

```
please enter your score: 56
your grade letter is D
-------------------------------
Process exited after 5.721 seconds with return value 0
Press any key to continue . . .
```

TASK # 5

Code:

```cpp
#include <iostream>

using namespace std;

int main (){

char letter;

cout<<"input the letter: ";

cin>>letter;

if(letter=='a'||letter=='e'||letter=='i'||letter=='u'||letter=='o' ){

cout<<"the given letter is vowel.";

}

else{

cout<<"the given letter is consonant.";

}

return 0;

}
```

- Result:

```
input the letter:
a
the given character is vowel.
--------------------------------
Process exited after 2.162 seconds with return value 0
Press any key to continue . . .
```

TASK # 2

- Code:

```
namespace std;

int main (){

int number;

cout <<"#include <iostream>

usingplease enter your integer: ";

cin >>number;

if(number%2==0 &&number%5==0){

cout<<"Number is both even and divisible by 5";


}else{

cout <<"Number is not both even and divisible by 5";

}


return 0;

}
```

- Result:

```
please enter your integer: 10
Number is both even and divisible by 5
--------------------------------
Process exited after 10.17 seconds with return value 0
Press any key to continue . . . _
```

TASK # 3

- Code:

```cpp
#include <iostream>
using namespace std;
int main(){
int year;
cout<<"please enter an year: ";
cin>>year;
if(year %4==0){
cout<<"It is a leap year.";
}
else{
        cout<<"It is not a leap year.";
}
return 0;
}
```
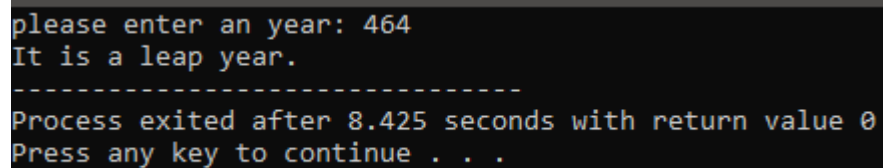
- Result:

```
please enter an year: 464
It is a leap year.
---------------------------------
Process exited after 8.425 seconds with return value 0
Press any key to continue . . .
```

TASK # 4
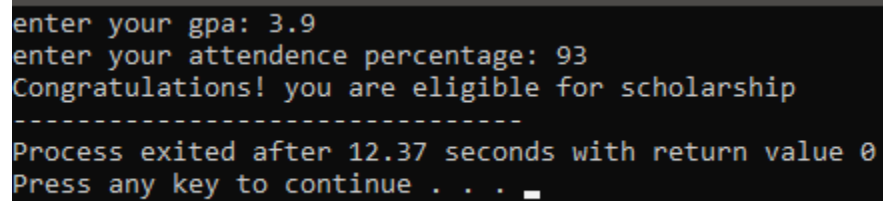
- Code:

```cpp
#include <iostream>
using namespace std;
int main(){
double gpa;

double  attendencePercentage;
```

```cpp
cout<<"enter your gpa: ";

cin>>gpa;

cout<<"enter your attendence percentage: ";

cin>>attendencePercentage;

if(gpa>=3.5 &&attendencePercentage>=80){

cout<<"Congratulations! you are eligible for scholarship";


}

else {

cout<<"Sorry, you are not eligible for scholarship";

}

return 0;

}
```

- Result:


```
enter your gpa: 3.9
enter your attendence percentage: 93
Congratulations! you are eligible for scholarship
-------------------------------
Process exited after 12.37 seconds with return value 0
Press any key to continue . . .
```