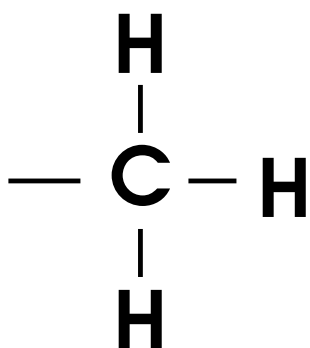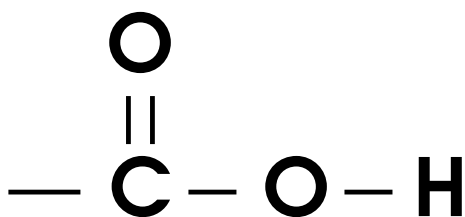BONUS 2: Name the functional groups.

You have 20 seconds.   Scoring: 5/10/20/30 points for 1/2/3/4 correct.
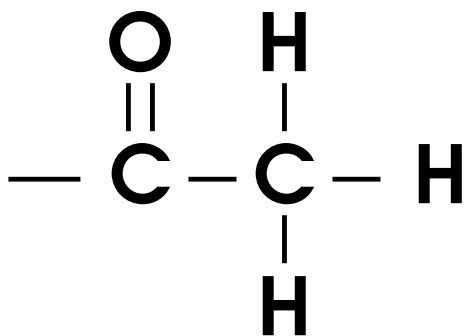
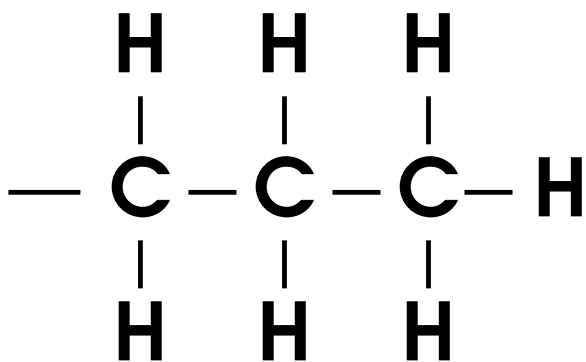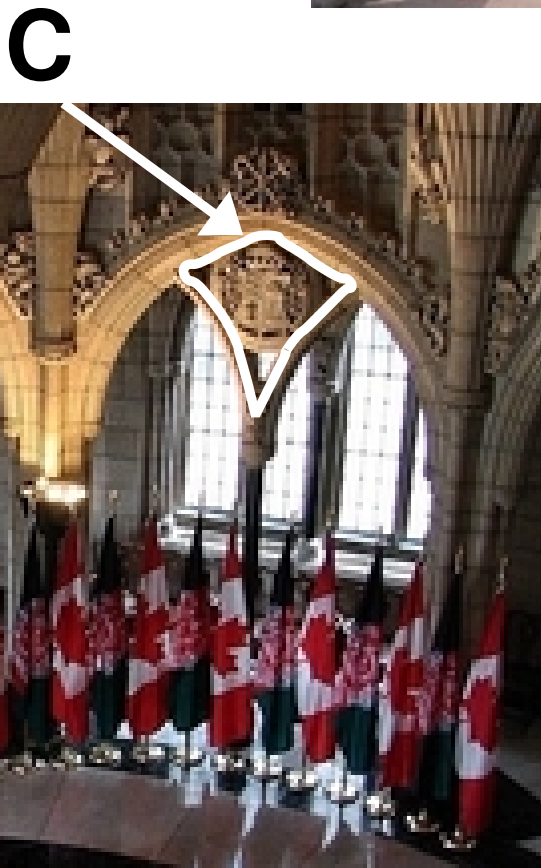| (A)	$\begin{array}{c} \text{H} \\ | \\ -\text{C}-\text{H} \\ | \\ \text{H} \end{array}$
(B)	$\begin{array}{c} \text{O} \\ || \\ -\text{C}-\text{O}-\text{H} \end{array}$
(C)	$\begin{array}{cc} \text{O} & \text{H} \\ || & | \\ -\text{C}-\text{C}-\text{H} \\ & | \\ & \text{H} \end{array}$
(D)	$\begin{array}{ccc} \text{H} & \text{H} & \text{H} \\ | & | & | \\ -\text{C}-\text{C}-\text{C}-\text{H} \\ | & | & | \\ \text{H} & \text{H} & \text{H} \end{array}$

BONUS 3: Give the word for each outlined architectural feature.
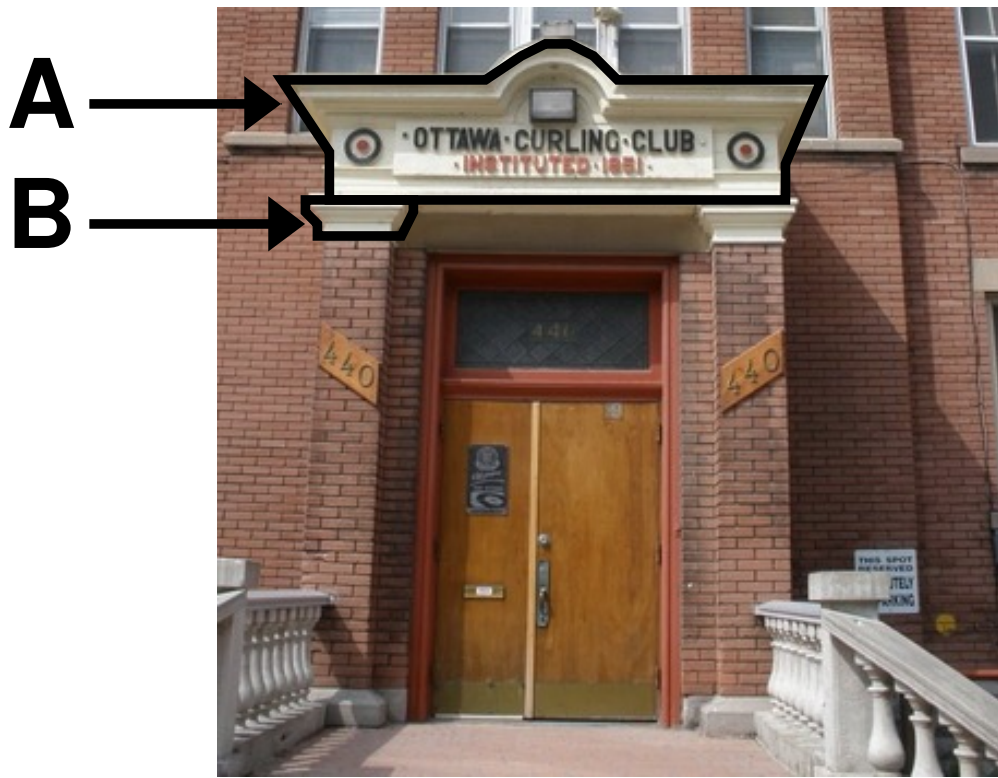You have 20 seconds.   Scoring: 5/10/20/30 points for 1/2/3/4 correct.

A

B

·OTTAWA·CURLING·CLUB·
·INSTITUTED·1881·

440

440

C

D

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BONUS 4.   For 10 points each:
A. Who wrote this poem?
B. What word is replaced by (B) (at line 11)?
C. What word is replaced by (C) (at line 26)?
You have 30 seconds to look at this and then give all your answers.

Had we but world enough, and time,
This coyness, lady, were no crime.
We would sit down and think which way
To walk, and pass our long love's day;
Thou by the Indian Ganges' side
Shouldst rubies find; I by the tide
Of Humber would complain. I would
Love you ten years before the Flood;
And you should, if you please, refuse
Till the conversion of the Jews.
My (B) love should grow
Vaster than empires, and more slow.
An hundred years should go to praise
Thine eyes, and on thy forehead gaze;
Two hundred to adore each breast,
But thirty thousand to the rest;
An age at least to every part,
And the last age should show your heart.
For, lady, you deserve this state,
Nor would I love at lower rate.

　　But at my back I always hear
Time's wingèd chariot hurrying near;
And yonder all before us lie
Deserts of vast eternity.
Thy beauty shall no more be found,
Nor, in thy (C) vault, shall sound
My echoing song; then worms shall try
That long preserv'd virginity,
And your quaint honour turn to dust,
And into ashes all my lust.
The grave's a fine and private place,
But none I think do there embrace.

　　Now therefore, while the youthful hue
Sits on thy skin like morning dew,
And while thy willing soul transpires
At every pore with instant fires,
Now let us sport us while we may;
And now, like am'rous birds of prey,
Rather at once our time devour,
Than languish in his slow-chapp'd power.
Let us roll all our strength, and all
Our sweetness, up into one ball;
And tear our pleasures with rough strife
Thorough the iron gates of life.
Thus, though we cannot make our sun
Stand still, yet we will make him run.

Programm

Der Zionismus erstrebt für das jüdische Volk die Schaffung einer (öffentlich-)rechtlich gesicherten Heimstätte in Palästina.

Zur Erreichung dieses Ziels nimmt der Congress folgende Mittel in Aussicht:

I. Die zweckdienliche Förderung der Besiedlung Palästinas mit jüdischen Ackerbauern, Handwerkern und Gewerbetreibenden.

II. Die Gliederung und Zusammenfassung der gesammten Judenschaft durch geeignete örtliche und allgemeine Veranstaltungen nach den Landesgesetzen.

III. Die Stärkung des jüdischen Volksgefühls und Volksbewußtseins.

IV. Vorbereitende Schritte zur Erlangung der Regierungszustimmung, die nötig sind, um das Ziel des Zionismus zu erreichen.

BONUS 7: Name each programming language given an implementation of greatest-common-divisor function, and year the language was introduced. You have 30 seconds.
Scoring: 5/10/20/30 points for 1/2/3/4 correct answers.

A

(1959)

```
CALCULATION-SECTION.
   GCD.
    MOVE 0 TO G.
    IF X <= 0 THEN COMPUTE X = -X.
    IF Y <= 0 THEN COMPUTE Y = -Y.
    MOVE Y TO G
    PERFORM UNTIL X = 0
        MOVE X TO G
        DIVIDE Y BY X GIVING U REMAINDER X
        MOVE G TO Y
    END-PERFORM.
EXIT-GCD.
```

B

(1964)

```
gcd←{
    ω=0:|α
    ω ∇ ω|α
}
```

C

(1970)

```
function gcd(u, v: integer): integer;
  begin
    if u mod v <> 0 then
        gcd := gcd(v, u mod v)
    else
        gcd := v;
  end;
```

D

(1987)

```
sub gcd($$) {
  my ($u, $v) = @_;
  if ($v) {
    return gcd($v, $u % $v);
  } else {
    return abs($u);
  }
}
```

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