Scobol Solo 2016
Packet 11 (Round 11)

1. In this language, "screen and min-width" might be used to specify what devices to use a block of code on, a technique called a media query. LESS and SASS [pronounce as words] can be compiled into this language, which relies on a "box model" that goes — from outside to in — margin, border, padding, content. This language determines what elements its rules apply to using selectors; the selectors often use classes, which are prefixed with a period, and IDs, which are prefixed with a pound sign. Name this language used in conjunction with HTML and JavaScript to control formatting and layout on web pages.

Answer: CSS or cascading style sheets [prompt on "style(s)"]

2. In 1982 this country was harmed by a crash of its enormous, unregulated stock market, the Souk al-Manakh [sook ahl mah-NAK]. This country lost most of its territory due to the Uqair Protocol of 1922, which it had no role in negotiating. This country, which is not Egypt, became an English Protectorate under agreements made by Mubarak the Great, who decreased its dependence on the Ottoman Empire. Since 1752, this country has been led by the House of Sabah. This country was annexed in 1990 by Iraq, leading to the First Gulf War. Name this small nation on the Persian Gulf between Iraq and Saudi Arabia.

Answer: (State of) Kuwait [or (Dawlat al-)Kuwait]

3. In 2016, two eight-year-old girls in this country were arrested for tearing down voter rolls that were printed on pink paper they liked. Their arrest was made in the lead-up to a referendum on a new constitution written by the army, which had criminalized any rude or false discussion of the referendum. This country is run by a military junta [HOON-tah] called the National Council for Peace and Order, which came to power in a 2014 coup led by Prayut Chan-o-cha. Due to a rice-buying scheme, a committee in this country recommended a billion-dollar fine against its former prime minister Yingluck Shinawatra. Name this country between Myanmar and Cambodia, whose capital is Bangkok.

Answer: (Kingdom of) Thailand [or Ratcha-anachak Thai]

4. This person wrote his own epitaph, describing himself as "playful composer of tender love stories... ruined by my own genius"; the same lines appear in this writer's *Tristia*, which was written in large part while he lived in Tomis in what is now Romania. One of this writer's popular works was about how to attract and keep women, with a third part added later to give advice to women. Another of his works gives a history of the world from its creation until the death of Julius Caesar. That work focuses on "forms changed into new entities". Name this Ancient Roman poet of *Ars amatoria* and *Metamorphoses*.
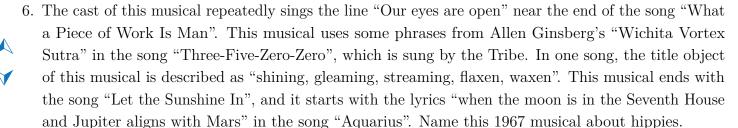
Answer: Ovid [or Publius Ovidius Naso]

5. Uranyl acetate [yur-"ANAL" "ASS"-uh-tayt] can be used as a negative stain for this technique, while colloidal [kahl-OY-dul] gold bound to nano·particles has also gained popularity as a stain for this process. Some specimens for this technique may be sputter-coated with a thin layer of metal. Samples may be cryo·fixed before being viewed with this technique. The devices used for this technique come in transmission and scanning varieties. This technique shows much more detail than a similarly-named process that uses light, because the particles used in this process have a shorter wave·length than photons. Name this imaging technique in which negatively-charged particles are fired at a sample.

Answer: electron microscopy [accept any answer containing electron microscope; prompt on EM or microscopy or microscope]

Check the score.

6. The cast of this musical repeatedly sings the line "Our eyes are open" near the end of the song "What a Piece of Work Is Man". This musical uses some phrases from Allen Ginsberg's "Wichita Vortex Sutra" in the song "Three-Five-Zero-Zero", which is sung by the Tribe. In one song, the title object of this musical is described as "shining, gleaming, streaming, flaxen, waxen". This musical ends with the song "Let the Sunshine In", and it starts with the lyrics "when the moon is in the Seventh House and Jupiter aligns with Mars" in the song "Aquarius". Name this 1967 musical about hippies.
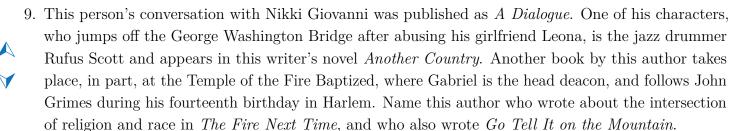
Answer: *Hair*

7. This person rescued the marooned Ac·hae·me·ni·des [ah-kee-MEN-ih-deez], who was formerly in Odysseus' crew. When this figure returned from the underworld, he exited a gate of ivory as opposed to a gate made of horn. This figure was enraged upon seeing a belt decorated with the dead husbands of the Danaïdes [duh-NAY-uh-deez], which was taken from the deceased Pallas. This figure killed the Rutulian king Turnus, and his son Ascanius ["ass-CAN"-ee-uss] later founded Alba Longa. After this man left Carthage, the spurned Dido immolated herself. Name this Trojan prince, the subject of an epic by Virgil.

Answer: Aeneas

8. This person's farewell party was called the Mischianza [meesk-YAHN-zah] and was organized by John Montresor and John André. When this person offered pardons, he was given the reply "Those who have committed no fault want no pardon." This person was promoted to Brigadier General after leading men up a cliff at the Battle of the Plains of Abraham to prepare the way for General James Wolfe's advance. This person and Robert Pigot led the attacks that won the Battle of Bunker Hill. This person's brother Richard was Vice Admiral of the British Navy. Name this commander-in-chief of British forces during the American Revolution.

Answer: General William Howe(, 5th Viscount Howe)

9. This person's conversation with Nikki Giovanni was published as *A Dialogue*. One of his characters, who jumps off the George Washington Bridge after abusing his girlfriend Leona, is the jazz drummer Rufus Scott and appears in this writer's novel *Another Country*. Another book by this author takes place, in part, at the Temple of the Fire Baptized, where Gabriel is the head deacon, and follows John Grimes during his fourteenth birthday in Harlem. Name this author who wrote about the intersection of religion and race in *The Fire Next Time*, and who also wrote *Go Tell It on the Mountain*.

Answer: James (Arthur) <u>Baldwin</u>

10. Because some electrons tunnel, the other electrons have extra energy when they undergo this phenomenon. In quantum mechanics, when particles meet a barrier with more energy than the particle, then the coefficient of this phenomenon equals 1 minus the coefficient of transmission. When un·polarized light undergoes this phenomenon at Brewster's angle, it becomes polarized. When the angle of incidence is greater than the critical angle, the "total internal" type of this phenomenon occurs. Name this phenomenon exhibited by light when it strikes a mirror.
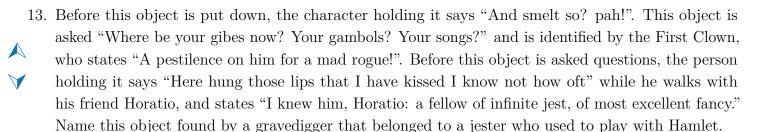
Answer: <u>reflect</u>ion or <u>reflect</u>ing

Check the score.

11. This person wrote "The most perilous moment for a bad government is one when it seeks to mend its ways" in his book *The Old Regime and the French Revolution*. In another book, this person wrote "Liberty cannot be established without morality, nor morality without faith." This person described England in *Memoir on Pauperism*. He traveled with Gustave de Beaumont, who wrote about slavery and race relations while this person was studying prisons. This person's best-known book, written during the 1830s, describes why representative government succeeds in the United States. Name this Frenchman who wrote *Democracy in America*.

Answer: Alexis(-Charles-Henri Clérel) de <u>Tocqueville</u>

12. When Haakon Chevalier [HAH-kohn sheh-vahl-YAY] told this person that George Eltenton wanted to share classified information with the Soviet Union, this person was slow to report the encounter. The Borden Letter accused this person of giving false information to his supervisor, Major-General Leslie Groves. This person chaired the General Advisory Committee of the Atomic Energy Commission, in which role he changed his opinion on the hydrogen bomb. Eventually, his security clearance was revoked. Name this physicist who directed the Los Alamos National Laboratory during the Manhattan Project and became known as the "father of the atomic bomb."

Answer: J(ulius) Robert <u>Oppenheimer</u>

13. Before this object is put down, the character holding it says "And smelt so? pah!". This object is asked "Where be your gibes now? Your gambols? Your songs?" and is identified by the First Clown, who states "A pestilence on him for a mad rogue!". Before this object is asked questions, the person holding it says "Here hung those lips that I have kissed I know not how oft" while he walks with his friend Horatio, and states "I knew him, Horatio: a fellow of infinite jest, of most excellent fancy." Name this object found by a gravedigger that belonged to a jester who used to play with Hamlet.

Answer: Yorick's skull [accept similar answers containing both underlined terms, or synonyms like cranium for skull; prompt on skull or cranium]

14. One piece with this name is controversial because of disagreements over how much of it was written by Remo Giazotto [RAY-moh jah-ZOHT-toh] and how much by Tomaso Albinoni. This term describes the first and last movements of Tchaikovsky's *Pathétique* [pah-tay-teek] symphony. The second movement of Beethoven's *Eroica Symphony* has this name followed by *assai* [ah-sah-ee], which means "very". When Franklin Roosevelt's death was announced on the radio, the piece that was played was in this tempo and was named for the fact that it was written "for strings". Give this term that appears in that Samuel Barber piece, and which means a slow tempo between *lento* and *andante* [ahn-DAHN-tay].

Answer: adagio [ah-DAH-joh]

15. This structure is affected in Fuch's [fook's] dystrophy. The epithelium [ep-ih-THEE-lee-um] and stroma of this structure are separated by Bowman's membrane. This structure contains Descemet's [DES-uh-met's] membrane, in which copper is deposited in sufferers of Wilson's disease. The thickness of this structure can be measured with a pachymeter ["PACK"-ih-"meter"], which can determine whether this structure is affected by keratoconus ["CARE-uh-toe-CONE-us"], in which it becomes conical. This structure does not contain any blood vessels, and instead receives nutrients through diffusion. This structure's shape is modified in refractive surgeries such as LASIK. Name this clear layer in the front of the eye.
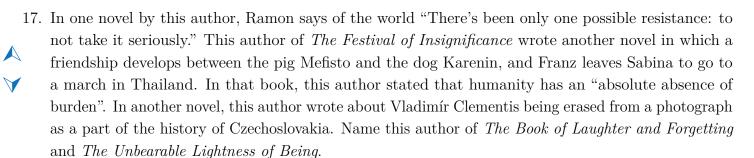
Answer: cornea [prompt on eye before the end]

Check the score.

16. This city contains a sculpture of a woman with a cooking basket on her head, the *Fire Walker*. The wealthy area Sandton became a suburb of this city in 1969, but is now part of this city. Similarly, the site of a 1976 uprising over the language used in schools is now part of this city. Much of this city's wealth is due to nearby gold reserves, and its amusement park is Gold Reef City. Much of that gold is in the Witwatersrand [VIT-vah-turz-rahnd] Basin. Many of this city's residents live in shanty towns in Soweto [soh-WAY-toh]. This city is in the Gauteng [HOH-teng] Province just south of Pretoria. Name this most populous city in South Africa.

Answer: Johannesburg, Gauteng, South Africa

17. In one novel by this author, Ramon says of the world "There's been only one possible resistance: to not take it seriously." This author of *The Festival of Insignificance* wrote another novel in which a friendship develops between the pig Mefisto and the dog Karenin, and Franz leaves Sabina to go to a march in Thailand. In that book, this author stated that humanity has an "absolute absence of burden". In another novel, this author wrote about Vladimír Clementis being erased from a photograph as a part of the history of Czechoslovakia. Name this author of *The Book of Laughter and Forgetting* and *The Unbearable Lightness of Being.*

Answer: Milan <u>Kundera</u>

18. John Buddle improved safety in this industry by developing an air pump and reducing flooding. A thousand workers in this industry were killed by a 1906 explosion in Courrières [koor-ee-air]. In Britain, a 1912 strike in this industry caused the adoption of a minimum wage, while a year-long strike in 1984 was put down by Margaret Thatcher. A forerunner to the European Union was named for steel and this industry. The chemist Humphrey Davy developed a safety lamp that was widely used in this industry. Name this industry in which many workers suffer from black lung.

Answer: <u>coal</u> <u>mining</u> [accept either] (The forerunner of the EU was called the European Coal and Steel Community.)

19. In one painting by this artist, Iphigenia [IF-uh-jih-NY-uh] is dressed as a bride between Aga·mem·non and Cly·tem·nest·ra, and the title figure reaches for his sword. In another work by this artist, a servant covered by a blue cloth cries on the right side while the founder of the Roman Republic sits to himself on the left. Those works are *The Anger of Achilles* and *The Lictors Bring to Brutus the Bodies of His Sons.* This Neoclassical artist painted a work showing three brothers saluting their father, who is holding up their swords, in *Oath of the Horatii [hor-AH-tee-"eye"].* Name this artist who painted a French Revolutionary who had just been stabbed in the bathtub, *The Death of Marat.*
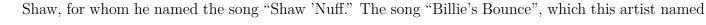
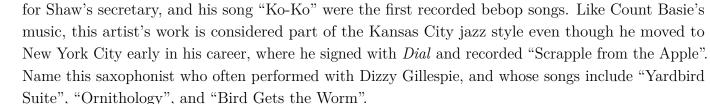Answer: Jacques-Louis <u>David</u>

20. This is the smallest positive integer that is not a triangular number. All fields must have at least this number of elements, and fields are defined for this number of binary operations. A hyperboloid with this number of sheets, centered at the origin, only intercepts one axis. The sum of the reciprocals of powers of this number converges to this number. The number system, or base, using this number only incorporates zeroes and ones. This is the number of foci [FOH-"sigh"] of a hyperbola or an ellipse. Twin primes differ by this number. Give this only even prime number.

Answer: <u>two</u>

This is the end of regulation. Check the score. If it is tied, proceed to overtime tossups. If it is not tied, the game is over.

TB21. Lennie Tristano's "Requiem" was a tribute to this musician. This musician was managed by Billy Shaw, for whom he named the song "Shaw 'Nuff." The song "Billie's Bounce", which this artist named for Shaw's secretary, and his song "Ko-Ko" were the first recorded bebop songs. Like Count Basie's music, this artist's work is considered part of the Kansas City jazz style even though he moved to New York City early in his career, where he signed with *Dial* and recorded "Scrapple from the Apple". Name this saxophonist who often performed with Dizzy Gillespie, and whose songs include "Yardbird Suite", "Ornithology", and "Bird Gets the Worm".
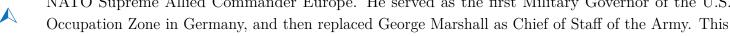
Answer: (Charles) Charlie "Bird" <u>Parker</u>

If the score is still tied, continue. If it is not tied, the game is over.

TB22. This person wrote a book about his wartime experience called *Crusade in Europe*. He was the first NATO Supreme Allied Commander Europe. He served as the first Military Governor of the U.S. Occupation Zone in Germany, and then replaced George Marshall as Chief of Staff of the Army. This man was heavily criticized for ordering troops not to advance beyond the Elbe [EL-buh] River. This person planned Operation Neptune with Bernard Montgomery and gave the order to invade Normandy on D-Day. Name this general who was elected U.S. President as a Republican during the 1950s.

Answer: Dwight D(avid) ("Ike") <u>Eisenhower</u>

If the score is still tied, continue. If it is not tied, the game is over.

TB23. According to the Book of Proverbs, this is the time that the fire says "It is enough", and when the just shall be moved. Popular wisdom claims that this is when a barking dog bites, and when a watched pot boils. Another saying is "better late than" at this time. Name this time that does not arrive.

Answer: <u>never</u>

There are no more overtime questions available. If the score is still tied, contact the control room for further instructions. If it is not tied, the game is over.