Team-MakeChange

Screen Captures:

Making modifications in main.rs

```rust
Ubuntu-24.04 > home > ganesh > myjs > src > ⊕ main.rs
 1   // main.rs
 2   use deno_core::{
 3       error::AnyError, resolve_path, FsModuleLoader, JsRuntime, PollEventLoopOptions, RuntimeOptions,
 4   };
 5   use std::env;
 6   use std::rc::Rc;
 7
 8   async fn run_js(file_path: &str) -> Result<(), AnyError> {
 9       let main_module = resolve_path(file_path, env::current_dir()?.as_path())?;
10       let mut js_runtime = JsRuntime::new(RuntimeOptions {
11           module_loader: Some(Rc::new(FsModuleLoader)),
12           ..Default::default()
13       });
14
15       js_runtime
16           .execute_script("[runjs:runtime.js]", include_str!("runtime.js"))
17           .unwrap();
18
19       let mod_id = js_runtime.load_main_es_module(&main_module).await?;
20       let result = js_runtime.mod_evaluate(mod_id);
21       js_runtime
22           .run_event_loop(PollEventLoopOptions {
23               wait_for_inspector: false,
24               pump_v8_message_loop: false,
25           })
26           .await?;
27       result.await
28   }
29
30   fn main() {
31       let runtime = tokio::runtime::Builder::new_current_thread()
32           .enable_all()
33           .build()
```

Adding runtime.js : src/runtime.js

```
1    // runtime.js
2    ((globalThis) => {
3      const core = Deno.core;
4
5      function argsToMessage(...args) {
6        return args.map((arg) => JSON.stringify(arg)).join(" ");
7      }
8
9      globalThis.console = {
10       log: (...args) => {
11         core.print(`[out]: ${argsToMessage(...args)}\n`, false);
12       },
13       sarcasm: (...args) => {
14         const message = argsToMessage(...args) + " " + "Wohoo! You did it your highness!";
15         const logMessage = `[message]: ${message}`;
16         core.print(`${logMessage}\n`, true);
17       }
18     };
19   })(globalThis);
20
```

Modifying example.js

```
Ubuntu-24.04 > home > ganesh > myjs > JS example.js
1    console.log("this is log message")
2    console.sarcasm("this sarcasm custom msg")
```

```
ganesh@Ganesh:~/myjs$ cargo run
   Compiling myjs v0.1.0 (/home/ganesh/myjs)
    Finished dev [unoptimized + debuginfo] target(s) in 4.97s
     Running `target/debug/myjs`
[out]: "this is log message"
[message]: "this sarcasm custom msg" Wohoo! You did it your highness!
```

CUSTOMIZATION:

- Coloring
- Time stamping

```javascript
// runtime.js
((globalThis) => {
    const core = Deno.core;
    function argsToMessage(...args) {
    return args.map((arg) => JSON.stringify(arg)).join(" ");
    }
    const sarcasticPhrases = [
    "Oh, brilliant idea!", "Wow, never heard that one before...", "Oh, how original...",
    "Congratulations, you broke the code!", "Great job, you found a bug!", "Keep up the good work, genius!",
    "Oh, the brilliance is blinding...", "I'm in awe of your coding skills...",
    "You must be a real expert...", "Such a groundbreaking contribution...",
    "You should be a comedian...", "Sarcasm level: expert...",
    ];
    function getCurrentTime() {
        const now = new Date();
        const hours = String(now.getHours()).padStart(2, '0');
        const minutes = String(now.getMinutes()).padStart(2, '0');
        const seconds = String(now.getSeconds()).padStart(2, '0');
        return `${hours}:${minutes}:${seconds}`;
    }
    globalThis.console = {
    log: (...args) => {
    core.print(`[out]: ${argsToMessage(...args)}\n`, false);
    },
    sarcasm: (...args) => {
    const time = getCurrentTime();
    const sarcasticMessage = sarcasticPhrases[Math.floor(Math.random() * sarcasticPhrases.length)]
    const message = argsToMessage(...args) + `\n\x1b[1m${sarcasticMessage}\x1b[0m`;
    const logMessage = `\x1b[1;35m[${time}] [message]:\x1b[0m ${message}`;
    core.print(`${logMessage}\n`, true);
    },
    };
    })(globalThis);
```

```
ganesh@Ganesh:~/myjs$ cargo run
    Compiling myjs v0.1.0 (/home/ganesh/myjs)
    Finished dev [unoptimized + debuginfo] target(s) in 9.40s
     Running `target/debug/myjs`
[out]: "this is log message"
[14:05:46] [message]: "this sarcasm custom msg"
Oh, the brilliance is blinding...
```