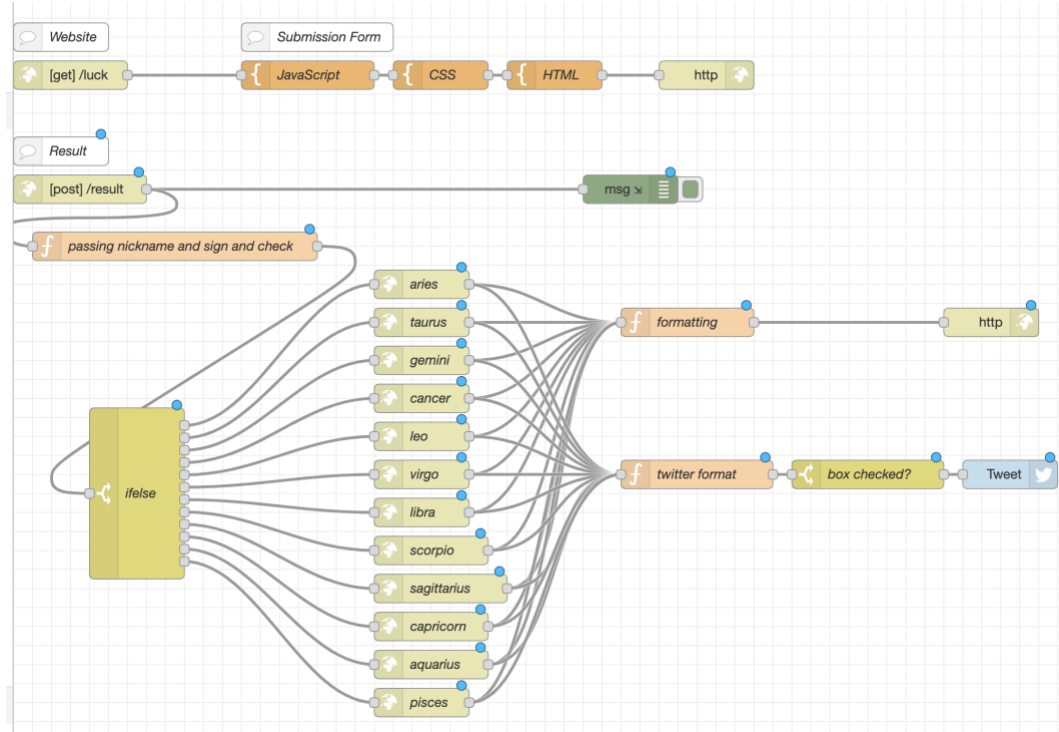


3. Hard copy of the program source (exported from NODE-RED as a json)



Node-Red Diagram 1

```

1  [
2    {
3      "id": "1fde196def17a93f",
4      "type": "tab",
5      "label": "working on",
6      "disabled": false,
7      "info": ""
8    },
9    {
10     "id": "1e0841f1.ac68fe",
11     "type": "http in",
12     "z": "1fde196def17a93f",
13     "name": "",
14     "url": "/luck",
15     "method": "get",
16     "upload": false,
17     "swaggerDoc": "",
18     "x": 60,
19     "y": 280,
20     "wires": [
21       [
22         "b2f5bdf9.e09f1"
23       ]
24     ]
25   },
26   {
27     "id": "80321000.f2dc5",
28     "type": "debug",
29     "z": "1fde196def17a93f",
30     "name": "",
31     "active": true,
32     "tosidebar": true,
33     "console": true,
34     "tostatus": false,
35     "complete": "true",
36     "targetType": "full",
37     "statusVal": "",
38     "statusType": "auto",
39     "x": 650,
40     "y": 500,
41     "wires": []
42   },
43   {
44     "id": "b2972258.ecf54",
45     "type": "template",
46     "z": "1fde196def17a93f",
47     "name": "CSS",
48     "field": "payload.style",
49     "fieldType": "msg",
50     "format": "html",
51     "syntax": "mustache",
52     "template": "h2 {\n  font-family:
53     fantasy;\n}\n\nform {\n  font-family:
54     fantasy;\n}\n\ninput[type=text], select {\n
55     width: 100%;\n  padding: 12px 20px;\n
56     margin: 8px 0;\n  display: inline-block;\n
57     border: 1px solid #ccc;\n  border-radius:
58     4px;\n  box-sizing: border-

```

```

59 box;\n}\n\n {\n    width:
60 100%;\n    background-color: #65acca;\n
61 color: white;\n    padding: 14px 20px;\n
62 margin: 8px 0;\n    border: none;\n    border-
63 radius: 4px;\n    cursor: pointer;\n    font-
64 family: fantasy;\n}\n\n:hover
65 {\n    background-color: #2f97c4;\n}\n\n

```

130 "type": "http response",
131 "z": "1fde196def17a93f",
132 "name": "",
133 "statusCode": "",
134 "headers": {},
135 "x": 730,
136 "y": 280,
137 "wires": []
138 },
139 {
140 "id": "f3b55ea2.f4d51",
141 "type": "template",
142 "z": "1fde196def17a93f",
143 "name": "HTML",
144 "field": "payload",
145 "fieldType": "msg",
146 "format": "handlebars",
147 "syntax": "mustache",
148 "template": "<html>\n<head>\n
149 <title>Astrology Site</title>\n <meta
150 name=\\\"viewport\\\" content=\\\"width=device-width,
151 initial-scale=1.0\\\">\n <meta charset=\\\"utf-
152 8\\\">\n <script
153 src=\\\"https://code.responsivevoice.org/responsi
154 vevoice.js?key=fBdxjflR\\\"></script>\n
155 <script
156 src=\\\"http://cdnjs.cloudflare.com/ajax/libs/jqu
157 ery/2.1.0/jquery.min.js\\\"></script>\n
158 <style>{{{payload.style}}}</style> \n
159 </head>\n \n <h2>Check your luck of the
160 day!</h2>\n \n <div>\n <form
161 method=\\\"POST\\\" ajax=\\\"true\\\"
162 action=\\\"/result\\\"> \n <label
163 for=\\\"nickname\\\">Nick name</label>\n <input
164 type=\\\"text\\\" id=\\\"nickname\\\"
165 name=\\\"nickname\\\">\n
\n <label
166 for=\\\"zodiac\\\">Zodiac Sign</label>\n <select
167 id=\\\"zodiac\\\" name=\\\"zodiac\\\">\n <option
168 value=\\\"aries\\\">Aries 양자리</option>\n
169 <option value=\\\"taurus\\\">Taurus 황소</option>\n
170 <option value=\\\"gemini\\\">Gemini
171 쌍둥이</option>\n <option
172 value=\\\"cancer\\\">Cancer 게자리</option>\n
173 <option value=\\\"leo\\\">Leo 사자자리</option>\n
174 <option value=\\\"virgo\\\">Virgo
175 처녀자리</option>\n <option
176 value=\\\"libra\\\">Libra 천칭자리</option>\n
177 <option value=\\\"scorpio\\\">Scorpio
178 전갈자리</option>\n <option
179 value=\\\"sagittarius\\\">Sagittarius
180 궁수자리</option>\n <option
181 value=\\\"capricorn\\\">Capricorn
182 염소자리</option>\n <option
183 value=\\\"aquarius\\\">Aquarius 물병자리</option>\n
184 <option value=\\\"pisces\\\">Pisces
185 물고기자리</option>\n </select>\n
\n
186 <label><input type=\\\"checkbox\\\" id=\\\"tweet\\\"
187 name=\\\"tweet\\\">Tweet the
188 Result?</label>\n
\n <input
189 type=\\\"submit\\\" value=\\\"Submit\\\">\n </form>\n
190 <button id=\\\"read\\\"
191 onclick=\\\"responsiveVoice.speak(document.getEle
192 mentById('result').textContent);\\\">Read</butt
193 on>\n <button id=\\\"stop\\\"
194 onclick=\\\"responsiveVoice.cancel();\\\">Stop</but

```


```

195	ton>\n \n \n\n</div>\n<div>\n <span	266	"id": "be40f2ee8148e4d9",
196	id=\\"result\\">\n</div>\n</body>\n</html>	267	"type": "switch",
197	\n<script>{{payload.script}}</script>",	268	"z": "1fdel96def17a93f",
198	"x": 570,	269	"name": "ifelse",
199	"y": 280,	270	"property": "payload.zodiac",
200	"wires": [	271	"propertyType": "msg",
201	[	272	"rules": [
202	"d2c0bc2a.05a02"	273	{
203	]	274	"t": "eq",
204	]	275	"v": "aries",
205	},	276	"vt": "str"
206	{	277	},
207	"id": "57316751.8bd948",	278	{
208	"type": "comment",	279	"t": "eq",
209	"z": "1fdel96def17a93f",	280	"v": "taurus",
210	"name": "Submission Form",	281	"vt": "str"
211	"info": "",	282	},
212	"x": 320,	283	{
213	"y": 240,	284	"t": "eq",
214	"wires": []	285	"v": "gemini",
215	},	286	"vt": "str"
216	{	287	},
217	"id": "86c08a83.385758",	288	{
218	"type": "comment",	289	"t": "eq",
219	"z": "1fdel96def17a93f",	290	"v": "cancer",
220	"name": "Website",	291	"vt": "str"
221	"info": "",	292	},
222	"x": 50,	293	{
223	"y": 240,	294	"t": "eq",
224	"wires": []	295	"v": "leo",
225	},	296	"vt": "str"
226	{	297	},
227	"id": "111485fa.14c4aa",	298	{
228	"type": "comment",	299	"t": "eq",
229	"z": "1fdel96def17a93f",	300	"v": "virgo",
230	"name": "Result",	301	"vt": "str"
231	"info": "",	302	},
232	"x": 50,	303	{
233	"y": 460,	304	"t": "eq",
234	"wires": []	305	"v": "libra",
235	},	306	"vt": "str"
236	{	307	},
237	"id": "6bd70789ec2ecb0d",	308	{
238	"type": "http in",	309	"t": "eq",
239	"z": "1fdel96def17a93f",	310	"v": "scorpio",
240	"name": "",	311	"vt": "str"
241	"url": "/result",	312	},
242	"method": "post",	313	{
243	"upload": false,	314	"t": "eq",
244	"swaggerDoc": "",	315	"v": "sagittarius",
245	"x": 70,	316	"vt": "str"
246	"y": 500,	317	},
247	"wires": [	318	{
248	[	319	"t": "eq",
249	"80321000.f2dc5",	320	"v": "capricorn",
250	"7a7c8f696250b5f1"	321	"vt": "str"
251	]	322	},
252	]	323	{
253	},	324	"t": "eq",
254	{	325	"v": "aquarius",
255	"id": "ebe90a906344db6f",	326	"vt": "str"
256	"type": "http response",	327	},
257	"z": "1fdel96def17a93f",	328	{
258	"name": "",	329	"t": "eq",
259	"statusCode": "",	330	"v": "pisces",
260	"headers": {},	331	"vt": "str"
261	"x": 1050,	332	},
262	"y": 880,	333],
263	"wires": []	334	"checkall": "true",
264	},	335	"repair": false,
265	{	336	"outputs": 12,

```

337     "x": 110,
338     "y": 880,
339     "wires": [
340         [
341             "e42d5b48be6a1c8e"
342         ],
343         [
344             "2aeab3775a8e42cb"
345         ],
346         [
347             "2b420c41f070ff33"
348         ],
349         [
350             "61790b9fe8cbd942"
351         ],
352         [
353             "691e1606e818ac3a"
354         ],
355         [
356             "4f472276f279e449"
357         ],
358         [
359             "f07c94c6b3d79891"
360         ],
361         [
362             "3928a2a0066ffef0"
363         ],
364         [
365             "aa3c9cf76301905e"
366         ],
367         [
368             "ea53e07dbba02451"
369         ],
370         [
371             "51e4a0693090ecbe"
372         ],
373         [
374             "bca04ec58d3701bf"
375         ]
376     ],
377 },
378 {
379     "id": "e42d5b48be6a1c8e",
380     "type": "http request",
381     "z": "1fde196def17a93f",
382     "name": "aries",
383     "method": "POST",
384     "ret": "obj",
385     "paytoqs": "ignore",
386     "url":
387 "https://aztro.sameerkumar.website?sign=aries&d
388 ay=today",
389     "tls": "",
390     "persist": false,
391     "proxy": "",
392     "authType": "",
393     "x": 410,
394     "y": 660,
395     "wires": [
396         [
397             "bcfe2d3038eed099",
398             "2e6db7860ad00a67"
399         ]
400     ],
401 },
402 {
403     "id": "2b420c41f070ff33",
404     "type": "http request",
405     "z": "1fde196def17a93f",
406     "name": "gemini",
407     "method": "POST",

```

```

408     "ret": "obj",
409     "paytoqs": "ignore",
410     "url":
411 "https://aztro.sameerkumar.website?sign=gemini&
412 day=today",
413     "tls": "",
414     "persist": false,
415     "proxy": "",
416     "authType": "",
417     "x": 410,
418     "y": 740,
419     "wires": [
420         [
421             "bcfe2d3038eed099",
422             "2e6db7860ad00a67"
423         ]
424     ]
425 },
426 {
427     "id": "2aeab3775a8e42cb",
428     "type": "http request",
429     "z": "1fde196def17a93f",
430     "name": "taurus",
431     "method": "POST",
432     "ret": "obj",
433     "paytoqs": "ignore",
434     "url":
435 "https://aztro.sameerkumar.website?sign=taurus&
436 day=today",
437     "tls": "",
438     "persist": false,
439     "proxy": "",
440     "authType": "",
441     "x": 410,
442     "y": 700,
443     "wires": [
444         [
445             "bcfe2d3038eed099",
446             "2e6db7860ad00a67"
447         ]
448     ]
449 },
450 {
451     "id": "61790b9fe8cbd942",
452     "type": "http request",
453     "z": "1fde196def17a93f",
454     "name": "cancer",
455     "method": "POST",
456     "ret": "obj",
457     "paytoqs": "ignore",
458     "url":
459 "https://aztro.sameerkumar.website?sign=cancer&
460 day=today",
461     "tls": "",
462     "persist": false,
463     "proxy": "",
464     "authType": "",
465     "x": 410,
466     "y": 780,
467     "wires": [
468         [
469             "bcfe2d3038eed099",
470             "2e6db7860ad00a67"
471         ]
472     ]
473 },
474 {
475     "id": "691e1606e818ac3a",
476     "type": "http request",
477     "z": "1fde196def17a93f",
478     "name": "leo",

```

```

479     "method": "POST",
480     "ret": "obj",
481     "paytoqs": "ignore",
482     "url":
483 "https://aztro.sameerkumar.website?sign=leo&day
484 =today",
485     "tls": "",
486     "persist": false,
487     "proxy": "",
488     "authType": "",
489     "x": 410,
490     "y": 820,
491     "wires": [
492         [
493             "bcfe2d3038eed099",
494             "2e6db7860ad00a67"
495         ]
496     ],
497 },
498 {
499     "id": "4f472276f279e449",
500     "type": "http request",
501     "z": "1fde196def17a93f",
502     "name": "virgo",
503     "method": "POST",
504     "ret": "obj",
505     "paytoqs": "ignore",
506     "url":
507 "https://aztro.sameerkumar.website?sign=virgo&d
508 ay=today",
509     "tls": "",
510     "persist": false,
511     "proxy": "",
512     "authType": "",
513     "x": 410,
514     "y": 860,
515     "wires": [
516         [
517             "bcfe2d3038eed099",
518             "2e6db7860ad00a67"
519         ]
520     ],
521 },
522 {
523     "id": "f07c94c6b3d79891",
524     "type": "http request",
525     "z": "1fde196def17a93f",
526     "name": "libra",
527     "method": "POST",
528     "ret": "obj",
529     "paytoqs": "ignore",
530     "url":
531 "https://aztro.sameerkumar.website?sign=libra&d
532 ay=today",
533     "tls": "",
534     "persist": false,
535     "proxy": "",
536     "authType": "",
537     "x": 410,
538     "y": 900,
539     "wires": [
540         [
541             "bcfe2d3038eed099",
542             "2e6db7860ad00a67"
543         ]
544     ],
545 },
546 {
547     "id": "3928a2a0066ffef0",
548     "type": "http request",
549     "z": "1fde196def17a93f",

```

```

550     "name": "scorpio",
551     "method": "POST",
552     "ret": "obj",
553     "paytoqs": "ignore",
554     "url":
555 "https://aztro.sameerkumar.website?sign=scorpio
556 &day=today",
557     "tls": "",
558     "persist": false,
559     "proxy": "",
560     "authType": "",
561     "x": 420,
562     "y": 940,
563     "wires": [
564         [
565             "bcfe2d3038eed099",
566             "2e6db7860ad00a67"
567         ]
568     ],
569 },
570 {
571     "id": "aa3c9cf76301905e",
572     "type": "http request",
573     "z": "1fde196def17a93f",
574     "name": "sagittarius",
575     "method": "POST",
576     "ret": "obj",
577     "paytoqs": "ignore",
578     "url":
579 "https://aztro.sameerkumar.website?sign=sagitta
580 rius&day=today",
581     "tls": "",
582     "persist": false,
583     "proxy": "",
584     "authType": "",
585     "x": 430,
586     "y": 980,
587     "wires": [
588         [
589             "bcfe2d3038eed099",
590             "2e6db7860ad00a67"
591         ]
592     ],
593 },
594 {
595     "id": "ea53e07dbba02451",
596     "type": "http request",
597     "z": "1fde196def17a93f",
598     "name": "capricorn",
599     "method": "POST",
600     "ret": "obj",
601     "paytoqs": "ignore",
602     "url":
603 "https://aztro.sameerkumar.website?sign=caprico
604 rn&day=today",
605     "tls": "",
606     "persist": false,
607     "proxy": "",
608     "authType": "",
609     "x": 420,
610     "y": 1020,
611     "wires": [
612         [
613             "bcfe2d3038eed099",
614             "2e6db7860ad00a67"
615         ]
616     ],
617 },
618 {
619     "id": "51e4a0693090ecbe",
620     "type": "http request",

```

```

621         "z": "1fde196def17a93f",
622         "name": "aquarius",
623         "method": "POST",
624         "ret": "obj",
625         "paytoqs": "ignore",
626         "url":
627 "https://aztro.sameerkumar.website?sign=aquariu
628 s&day=today",
629         "tls": "",
630         "persist": false,
631         "proxy": "",
632         "authType": "",
633         "x": 420,
634         "y": 1060,
635         "wires": [
636             [
637                 "bcfe2d3038eed099",
638                 "2e6db7860ad00a67"
639             ]
640         ],
641     },
642     {
643         "id": "bca04ec58d3701bf",
644         "type": "http request",
645         "z": "1fde196def17a93f",
646         "name": "pisces",
647         "method": "POST",
648         "ret": "obj",
649         "paytoqs": "ignore",
650         "url":
651 "https://aztro.sameerkumar.website?sign=pisces&
652 day=today",
653         "tls": "",
654         "persist": false,
655         "proxy": "",
656         "authType": "",
657         "x": 410,
658         "y": 1100,
659         "wires": [
660             [
661                 "bcfe2d3038eed099",
662                 "2e6db7860ad00a67"
663             ]
664         ],
665     },
666     {
667         "id": "bcfe2d3038eed099",
668         "type": "function",
669         "z": "1fde196def17a93f",
670         "name": "formatting",
671         "func": "msg.payload = msg.nname+'\"s
672 luck of the day(\\\" + msg.payload.current_date +
673 ') as a(n) ' +msg.sign+ ': <br><br>' +
674 msg.payload.description + '<br> <br>You will
675 get along well with a(n) ' +
676 msg.payload.compatibility + '.<br><br>Your
677 lucky color is '+ msg.payload.color + ' . Maybe
678 wear '+ msg.payload.color + ' colored items
679 today! <br><br>Your lucky number is ' +
680 msg.payload.lucky_number + ' and your lucky
681 time is '+ msg.payload.lucky_time + ' .
682 <br><br>Have a great day!' ;\\n\\nreturn msg;",
683         "outputs": 1,
684         "noerr": 0,
685         "initialize": "",
686         "finalize": "",
687         "libs": [],
688         "x": 730,
689         "y": 880,
690         "wires": [
691             [
692                 "ebe90a906344db6f"
693             ]
694         ]
695     },
696     {
697         "id": "b8e5d78826489481",
698         "type": "twitter out",
699         "z": "1fde196def17a93f",
700         "twitter": "",
701         "name": "Tweet",
702         "x": 1050,
703         "y": 1180,
704         "wires": []
705     },
706     {
707         "id": "2e6db7860ad00a67",
708         "type": "function",
709         "z": "1fde196def17a93f",
710         "name": "twitter format",
711         "func": "msg.payload = msg.nname +'\"s
712 luck as a(n) \\\" + msg.sign + \\\" on \\\" +
713 msg.payload.current_date + ' : ' +
714 msg.payload.description; \\n\\nreturn msg;",
715         "outputs": 1,
716         "noerr": 0,
717         "initialize": "",
718         "finalize": "",
719         "libs": [],
720         "x": 720,
721         "y": 1180,
722         "wires": [
723             [
724                 "e9817cf7deae2be4"
725             ]
726         ]
727     },
728     {
729         "id": "7a7c8f696250b5f1",
730         "type": "function",
731         "z": "1fde196def17a93f",
732         "name": "passing nickname and sign and
733 check",
734         "func": "msg.nname =
735 msg.payload.nickname;\\nmsg.sign =
736 msg.payload.zodiac;\\nmsg.tweet =
737 msg.payload.tweet;\\nreturn msg;",
738         "outputs": 1,
739         "noerr": 0,
740         "initialize": "",
741         "finalize": "",
742         "libs": [],
743         "x": 150,
744         "y": 620,
745         "wires": [
746             [
747                 "be40f2ee8148e4d9"
748             ]
749         ]
750     },
751     {
752         "id": "e9817cf7deae2be4",
753         "type": "switch",
754         "z": "1fde196def17a93f",
755         "name": "box checked?",
756         "property": "tweet",
757         "propertyType": "msg",
758         "rules": [
759             {
760                 "t": "eq",
761                 "v": "on",
762                 "vt": "str"

```

```
763         }
764     ],
765     "checkall": "true",
766     "repair": false,
767     "outputs": 1,
768     "x": 900,
769     "y": 1180,
770     "wires": [
771         [
772             "b8e5d78826489481"
773         ]
774     ]
775 }
776 ]
```