

Use R to print all the days of the week in the following 365 day, like this: Thursday, Friday, Saturday, Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, ... (Hint: Think of the 'recycling' behavior. There may be many ways of doing this. One way is to use the string-concatenating function paste0: e.g. paste0('a', 'b') returns 'ab'.)

```
> days.of.week <- weekdays(x=as.Date(seq(7), origin="2020-11-04"))
> days_week_year<-paste(1:365, days_week)
> cat(days_week_year, "\n", sep = "\t")
```

1 Thursday	2 Friday	3 Saturday	4 Sunday	5 Monday	6 Tuesday	7 Wednesday	8 Thursday
9 Friday	10 Saturday	11 Sunday	12 Monday	13 Tuesday	14 Wednesday	15 Thursday	16 Friday
17 Saturday	18 Sunday	19 Monday	20 Tuesday	21 Wednesday	22 Thursday	23 Friday	24 Saturday
25 Sunday	26 Monday	27 Tuesday	28 Wednesday	29 Thursday	30 Friday	31 Saturday	32 Sunday
33 Monday	34 Tuesday	35 Wednesday	36 Thursday	37 Friday	38 Saturday	39 Sunday	40 Monday
41 Tuesday	42 Wednesday	43 Thursday	44 Friday	45 Saturday	46 Sunday	47 Monday	48 Tuesday
49 Wednesday	50 Thursday	51 Friday	52 Saturday	53 Sunday	54 Monday	55 Tuesday	56 Wednesday
57 Thursday	58 Friday	59 Saturday	60 Sunday	61 Monday	62 Tuesday	63 Wednesday	64 Thursday
65 Friday	66 Saturday	67 Sunday	68 Monday	69 Tuesday	70 Wednesday	71 Thursday	72 Friday
73 Saturday	74 Sunday	75 Monday	76 Tuesday	77 Wednesday	78 Thursday	79 Friday	80 Saturday
81 Sunday	82 Monday	83 Tuesday	84 Wednesday	85 Thursday	86 Friday	87 Saturday	88 Sunday
89 Monday	90 Tuesday	91 Wednesday	92 Thursday	93 Friday	94 Saturday	95 Sunday	96 Monday
97 Tuesday	98 Wednesday	99 Thursday	100 Friday	101 Saturday	102 Sunday	103 Monday	104 Tuesday
105 Wednesday	106 Thursday	107 Friday	108 Saturday	109 Sunday	110 Monday	111 Tuesday	112 Wednesday
113 Thursday	114 Friday	115 Saturday	116 Sunday	117 Monday	118 Tuesday	119 Wednesday	120 Thursday
121 Friday	122 Saturday	123 Sunday	124 Monday	125 Tuesday	126 Wednesday	127 Thursday	128 Friday
129 Saturday	130 Sunday	131 Monday	132 Tuesday	133 Wednesday	134 Thursday	135 Friday	136 Saturday
137 Sunday	138 Monday	139 Tuesday	140 Wednesday	141 Thursday	142 Friday	143 Saturday	144 Sunday
145 Monday	146 Tuesday	147 Wednesday	148 Thursday	149 Friday	150 Saturday	151 Sunday	152 Monday
153 Tuesday	154 Wednesday	155 Thursday	156 Friday	157 Saturday	158 Sunday	159 Monday	160 Tuesday
161 Wednesday	162 Thursday	163 Friday	164 Saturday	165 Sunday	166 Monday	167 Tuesday	168 Wednesday
169 Thursday	170 Friday	171 Saturday	172 Sunday	173 Monday	174 Tuesday	175 Wednesday	176 Thursday
177 Friday	178 Saturday	179 Sunday	180 Monday	181 Tuesday	182 Wednesday	183 Thursday	184 Friday
185 Saturday	186 Sunday	187 Monday	188 Tuesday	189 Wednesday	190 Thursday	191 Friday	192 Saturday
193 Sunday	194 Monday	195 Tuesday	196 Wednesday	197 Thursday	198 Friday	199 Saturday	200 Sunday
201 Monday	202 Tuesday	203 Wednesday	204 Thursday	205 Friday	206 Saturday	207 Sunday	208 Monday
209 Tuesday	210 Wednesday	211 Thursday	212 Friday	213 Saturday	214 Sunday	215 Monday	216 Tuesday
217 Wednesday	218 Thursday	219 Friday	220 Saturday	221 Sunday	222 Monday	223 Tuesday	224 Wednesday
225 Thursday	226 Friday	227 Saturday	228 Sunday	229 Monday	230 Tuesday	231 Wednesday	232 Thursday
233 Friday	234 Saturday	235 Sunday	236 Monday	237 Tuesday	238 Wednesday	239 Thursday	240 Friday
241 Saturday	242 Sunday	243 Monday	244 Tuesday	245 Wednesday	246 Thursday	247 Friday	248 Saturday
249 Sunday	250 Monday	251 Tuesday	252 Wednesday	253 Thursday	254 Friday	255 Saturday	256 Sunday
257 Monday	258 Tuesday	259 Wednesday	260 Thursday	261 Friday	262 Saturday	263 Sunday	264 Monday
265 Tuesday	266 Wednesday	267 Thursday	268 Friday	269 Saturday	270 Sunday	271 Monday	272 Tuesday
273 Wednesday	274 Thursday	275 Friday	276 Saturday	277 Sunday	278 Monday	279 Tuesday	280 Wednesday
281 Thursday	282 Friday	283 Saturday	284 Sunday	285 Monday	286 Tuesday	287 Wednesday	288 Thursday
289 Friday	290 Saturday	291 Sunday	292 Monday	293 Tuesday	294 Wednesday	295 Thursday	296 Friday
297 Saturday	298 Sunday	299 Monday	300 Tuesday	301 Wednesday	302 Thursday	303 Friday	304 Saturday
305 Sunday	306 Monday	307 Tuesday	308 Wednesday	309 Thursday	310 Friday	311 Saturday	312 Sunday
313 Monday	314 Tuesday	315 Wednesday	316 Thursday	317 Friday	318 Saturday	319 Sunday	320 Monday
321 Tuesday	322 Wednesday	323 Thursday	324 Friday	325 Saturday	326 Sunday	327 Monday	328 Tuesday
329 Wednesday	330 Thursday	331 Friday	332 Saturday	333 Sunday	334 Monday	335 Tuesday	336 Wednesday
337 Thursday	338 Friday	339 Saturday	340 Sunday	341 Monday	342 Tuesday	343 Wednesday	344 Thursday
345 Friday	346 Saturday	347 Sunday	348 Monday	349 Tuesday	350 Wednesday	351 Thursday	352 Friday
353 Saturday	354 Sunday	355 Monday	356 Tuesday	357 Wednesday	358 Thursday	359 Friday	360 Saturday
361 Sunday	362 Monday	363 Tuesday	364 Wednesday	365 Thursday			

Calculate the sum, the mean, and the standard deviation of all the odd numbers from 1 to 99.

```
> odd <- seq(1, by=2, len=50)
```

```
> cat(odd, "\n", sep = "\t")
```

1	3	5	7	9	11	13	15	17	19	21	23
25	27	29	31	33	35	37	39	41	43	45	47
49	51	53	55	57	59	61	63	65	67	69	71
73	75	77	79	81	83	85	87	89	91	93	95
97	99										

```
> st_dev <- sd(odd)
```

```
> sq_mean <- mean (odd)
```

```
> sum_total <- sum (odd)
```

```
> st_dev
```

```
[1] 29.15476
```

```
> sq_mean
```

```
[1] 50
```

```
> sum_total
```

```
[1] 2500
```